



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
09520	20-MIR01	A	HOMA	FLUTOLANIL (NAI)	BEET (GARDEN)	ROOT VEGETABLES SUBGROUPS (01AB)

Reason for Need: POCKET ROT, LEAF SPOT, RHIZOCTONIA SOLANI; PER WI ME-TOO REQUEST, NEED ADDITIONAL FUNGICIDES FOR ROOT ROTTS OF TABLE BEETS:07/19; PER PROJECT NOOMINATION JUSTIFICATION COMMENT: THERE ARE LIMITED EFFECTIVE PRODUCTS AVAILABLE FOR ROOT ROTTS OF TABLE BEETS

Use Pattern: (PCR): 1.0 LB A/A; 50 GPA; ONE SOIL APPLIC AFTER PLANTING; 30-DAY PHI (HQ CONSIDERING 7-DAY PHI, LIKE CARROT AND RADISH)

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 1 5-2 6 10 12 (ROOTS & TOPS, ALL TRIALS), 1 DECLINE TRIAL (TOPS ONLY)

Comments: MFG HOLD:06/15; MFG CHANGED STATUS TO RESEARCHABLE:07/19; EPA GREEN:12/19;

NER-EPA Region-FRD

20-NJ256 Fisher, Jennifer

NCR-EPA Region-FRD

20-MI218 Zandstra, Dr. Bernard H.
20-OH*293 Horst, Leona

SOR-EPA Region-FRD

20-TX381 Marconi, Cristina
(decline)

WSR-EPA Region-FRD

20-CA23 Kyser, Guy
20-CA*24 Benzen, Ms. Sharon D.
20-WA324 Maupin, Brian
(Region12)

CANADA-EPA Region-FRD



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<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12805	20-STR01	A	HOMA	XDE-659 (CORTEVA)	BET (GARDEN)	ROOT VEGETABLES SUBGROUPS (01AB)

Reason for Need: CERCOSPORA LEAF SPOT; INFORMATION ABOUT EFFICACY FOR PHOMA LEAF SPOT WOULD BE USEFUL; DUE TO FUNGICIDE RESISTANCE, TARGET DISEASE IS DIFFICULT TO MANAGE SUCCESSFULLY WITH AVAILABLE FUNGICIDES AND ALTERNATIVES ARE NEEDED TO FOLLOW LABEL USE RESTRICTIONS FOR RESISTANCE MANAGEMENT; PER RI ME-TOO REQUEST, THIS IS NEEDED FOR CERCOSPORA WHICH IS PERVASIVE ON TABLE BEETS IN RI AND IS BEING SEEN EARLIER EVERY YEAR; PER MI ME-TOO REQUEST, THIS IS AN EXPANDING CROP IN MI, AND FOLIAR DISEASES ARE MORE IMPORTANT

Use Pattern: (PCR): MAKE 5 FOLIAR APPLIC (PER CALENDAR YEAR), BY GROUND ONLY, OF 0.09-0.13 LB AI (100-150 G AI/HA)/A, MINIMUM 30 GPA, 10-14 DAY INTERVAL, 1-DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS APPEAR; APPLY WITH A NIS OR NIS BLEND; DO NOT APPLY WITH ADDITIVES CONTAINING LATEXES; DO NOT APPLY BY AIR OR VIA CHEMIGATION (MFG REQUESTS THAT APPLIC OF XDE-659 SHOULD BE NO MORE THAN 1/3 OF THE TOTAL FUNGICIDE APPLIC, UP TO 3 APPLIC PER CROPPING SEASON AND 5 PER CALENDAR YEAR)

E/CS Data Requirements:

E/CS Research Comments: PMC/CANADA IS CONDUCTING 1 EFF TRIAL IN NS IN 2020, TARGETING CERCOSPORA:12/19

IR-4 Residue Trial Plan: 1 5-2 6 10 12 (ROOTS AND TOPS), 1 DECLINE TRIAL (TOPS ONLY)

Comments: NO KEY EXPORT MARKETS NOTED; MFG SUPPORTS, RESIDUE AND E/CS, AND POSSIBLY WILL ASSIST WITH SAMPLE ANALYSIS; ALSO, MFG NOTES THAT THEY WILL BE CONDUCTING RESIDUE TRIALS TO SUPPORT USE ON SUGAR BEETS AND POTATO:08/19; MFG CONFIRMED ONLY RESIDUE DATA NEEDED:09/17/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES 1, 5-2, 10 AND 1 DECLINE ON TOPS; BUT IR-4 PREFERS KEEPING THE IR-4 RESIDUE TRIAL PLAN TO SECURE TOLERANCES ON BOTH TOPS AND ROOTS (NO NAFTA TRIAL GUIDANCE FOR GARDEN BEET ROOTS):10/19

NER-EPA Region-FRD

20-NJ268 Fisher, Jennifer
(decline)

NCR-EPA Region-FRD

20-OH*304 Horst, Leona
20-WI441 Heider, Daniel J.

SOR-EPA Region-FRD

20-TX394 Marconi, Cristina

WSR-EPA Region-FRD

20-CA*74 Benzen, Ms. Sharon D.
20-OR333 Lightle, Dani
(Region 12)

CANADA-EPA Region-FRD

20-ON319 Riddle, Geoff
20-QC355 Smaers, Julie



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12757	20-MIR04	A	PIKE	ABAMECTIN (AMVAC,SYNGEN)	BEET (SUGAR)	ROOT VEGETABLES SUBGROUPS (01AB)

Reason for Need: TWO SPOTTED SPIDER MITE; NEED A SECOND INSECTICIDE TO ROTATE MODE OF ACTION FOR SPIDER MITES; CURRENTLY ONLY HAVE ONAGER

Use Pattern: (PCR): USE AGRI-MEK; MAKE 2 FOLIAR APPLIC OF 3.5 OZ/A; APPLY IF NEEDED AFTER MITE POPULATION INCREASES; NO RETREAT INTERVAL OR PHI INDICATED

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 5-5 7 8 9 10-2 11-2 (ROOTS AND TOPS), 1 DECLINE TRIAL (ROOTS AND TOPS), 5X RATE PROCESSING (REFINED SUGAR, PULP, MOLASSES)

Comments: NO KEY EXPORT MARKETS NOTED:06/19; EPA CAUTION:09/19; MFG MADE RESEARCHABLE:09/17/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MI226 (processing)	Zandstra, Dr. Bernard H.
20-NE255 (reg 7)	Spotanski, Jess J.
20-OH*300	Horst, Leona
20-WI434	Heider, Daniel J.
20-WI435	Heider, Daniel J.
20-WI436	Heider, Daniel J.

20-CA59	Skiles, Keri
20-CA60	Skiles, Keri
20-ID186 (Decline)	Meeks, Mr. Will
20-NM284	Hamilton, Cary
(Region 8) - to be replaced with 20-CO447	
20-NM285	Hamilton, Cary
(Region 9) - to be dropped & not repl	
20-WA*416	Larson, Duane
20-WA417	Peng, Wilson
20-CO447	Oman, Clark (CAT)
20-CO450	Oman, Clark (CAT)
(repl & transf \$ from 20-NM284)	



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 09907	<u>LAB</u> 19-MIR14	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> SAMOIL	<u>CHEMICAL (MFG)</u> FLONICAMID (FMC,ISK)	<u>COMMODITY</u> BEET (SUGAR)	<u>CROP GROUP</u> ROOT VEGETABLES SUBGROUPS (01AB)
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Reason for Need: APHIDS, LYGUS BUGS

Use Pattern: (PCR): 0.089 LB AI/A/APPLIC; 3 APPLIC; 7 DAYS BETWEEN APPLIC; 0-DAY PHI

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 5-5 7 8 9 10-2 11-2; ROOTS & TOPS; DECLINE TRIAL; PROCESSING TRIAL (5X, FOR REFINED SUGAR, DRIED PULP, MOLASSES); NEED 3 "RED A" 2020 TRIALS IN REG. 8, 9 & 10

Comments: CANADIAN INTEREST (ZONES 5[2], 7A[6]):09/13; EPA GREEN:09/18; NO LONGER CANADIAN INTEREST IN A JOINT PROJECT:01/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MI449 Zandstra, Dr. Bernard H.

20-CA26 Kyser, Guy
 20-NM279 Hamilton, Cary
 (Region 8) - to be repl with 20-CO451
 20-NM280 Hamilton, Cary
 (Region 9) - to be dropped and repl with
 20-CO451 Oman, Clark (CAT)
 (no add'l \$)
 20-CO460 Oman, Clark (CAT)
 (no add'l \$)
 21-CA01 Kyser, Guy
 (repl for 19-CA448, 2021 \$ approved)



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

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Print Date: 9/16/2020

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P12425	-NONE	+	HOMA	FLUOPYRAM (BAYER)	CARROT	ROOT VEGETABLES SUBGROUPS (01AB)

Reason for Need: NORTHERN ROOT LESION NEMATODE (PRATYLENCHUS PENETRANS), NORTHERN ROOT KNOT NEMATODE (MELOIDOGYNE INCOGNITA VAR. INC.)

Use Pattern: (PCR): USE THE VELUM PRODUCT; MAKE 1 PREPLANT SOIL, IN-FURROW APPLIC OF 6.84 FL OZ/A, OR 1 SEED TRT APPLIC; IF RESIDUE WORK IS APPROVED, MFG SUGGESTS SIDE BY SIDE SOIL AND FOLIAR APPLIC; IF REQUESTOR NEEDS SEED TREATMENT, BASF MUST BE CONTACTED:09/18

E/CS Data Requirements: PER 9/18/18 EMAIL, MFG REQUIRES NEW EFFICACY DATA FROM USE OF TYPICAL COMMERCIAL APPLIC METHODS (MOST EXISTING DATA INVOLVES ROTO-TILLING, WHICH IS NOT A TYPICAL COMMERCIAL PRACTICE); BASED ON RESULTS, SUPPORT FOR RESIDUE WORK WILL BE DETERMINED:09/18; MFG FURTHER INDICATED E/CS NEEDS: CONDUCT 3-4 TRIALS, MIN 2 IN CA, ALSO COULD BE WA, MI; EVALUATE CROP DAMAGE (% GALLING AT HARVEST OR USE APPROPRIATE RATING SCALE), AND YIELD (FRESH WEIGHT/AREA); FOR CROP SAFETY EVALUATE EMERGENCE AND % PHYTO, DESCRIBING SYMPTOMS IF PRESENT:10/18

E/CS Research Comments: PER 2019 PERFORMANCE PROTOCOL: TESTING VELUM PRIME PRE-PLANT IN-FURROW, VS NIMITZ BROADCAST OR BANDED INCORPORATED, VS VARIOUS SEED TREATMENT COMBINATIONS OF VELUM PRIME AND ILeVO WITH OTHER PRODUCTS, VS SEED TREATMENT COMBINATIONS OF STANDARDS (SEE PROTOCOL FOR DETAILED RATES, APPLIC INSTRUCTIONS, ETC.); EVALUATE CROP PHYTO, PLANT STAND AND VIGOR, YIELD AND CROP DAMAGE FROM ROOT GALLING, AND CROP QUALITY AT HARVEST; PER 2020 PERFORMANCE PROTOCOL: TESTING IN SIMILAR MANNER AS IN 2019 - SEE PROTOCOL FOR EXTENSIVE TREATMENT AND ASSESSMENT DETAILS

IR-4 Residue Trial Plan: 3 5 6 10-4 11

Comments: EFFECTIVE NEMATICIDES ARE IMPORTANT TO GROWERS, BUT FUMIGATION IS BECOMING MORE DIFFICULT AS SOME PRODUCTS ARE NO LONGER AVAILABLE; THERE IS CURRENTLY A SUBGROUP 1B TOLERANCE OF 0.3 PPM:11/17; MFG SUPPORTS, BUT NEED PERFORMANCE DATA FIRST; BAYER HAS SOIL APPLIED USES, AND BASF HAS SEED TREATMENT USES:05/18; CANADA HAS EFFICACY DATA THAT CAN BE SHARED (3 TRIALS), AND A CANADA-ONLY RESIDUE STUDY (4 TRIALS IN ZONE 5, 1 TRIAL IN ZONE 1) - MFG SUPPORTS USE OF THOSE DATA TO COMPLIMENT A U.S. PROGRAM; IF RESIDUE WORK IS DONE, AND RESIDUES SUPPORT THE EXISTING SUBGROUP 1B (EXCEPT SUGAR BEET) 0.3 PPM TOLERANCE OR LOWER, MFG IS PREPARED TO MAKE THE SUBMISSION TO EPA:09/18; POTENTIAL: E/CS DATA BEFORE APPROVAL FOR RESIDUE STUDY CHANGED TO E/CS DATA ON-GOING:03/19; MAY NOT NEED RESIDUE DATA FOR CARROT, AS THERE ARE ALREADY SOIL USES ON CARROT:07/19; BASED ON INCONCLUSIVE EFFICACY RESULTS FROM 2019 TRIALS AND THE MFG DECISION ABOUT THE LACK OF VALUE IN SEED TRT FOR NEMATODE CONTROL ON CARROTS, MFG SEES NO COMMERCIAL PATH FORWARD AND NO LONGER SUPPORTS THIS REQUESTED USE:08/20

[NER-EPA Region-FRD](#)

[NCR-EPA Region-FRD](#)

[SOR-EPA Region-FRD](#)

[WSR-EPA Region-FRD](#)

[CANADA-EPA Region-FRD](#)

20-CAP01 Verrinder, Timothy



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12902	<u>LAB</u> 20-MIR02	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> HOMA	<u>CHEMICAL (MFG)</u> FLUTOLANIL (NAI)	<u>COMMODITY</u> CARROT	<u>CROP GROUP</u> ROOT VEGETABLES SUBGROUPS (01AB)
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Reason for Need: FROM PR# 09710: CRATER ROT (RHIZOCTONIA), SOUTHERN BLIGHT (SCLEROTIUM ROLFSSII) - PREVENTATIVE; PER NY ME-TOO REQUEST, A RECENT REPORT OF SOUTHERN BLIGHT IN CARROT PRODUCTION IN NY IS VERY CONCERNING, AND NO PRODUCTS ARE REGISTERED FOR CONTROL:09/19

Use Pattern: (PCR): FROM PR# 09710: 1.0 LB A/A; 50 GPA; ONE SOIL APPLIC AFTER PLANTING; 30-DAY PHI; FROM 09710 RESIDUE PROTOCOL: 1.0 LB A/A; MAKE 2 FOLIAR APPLIC IN 20-45 GPA AT A 14-DAY INTERVAL; 7-DAY PHI

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 3 5 6 10-4 11 (ROOTS ONLY), 1 DECLINE TRIAL (ROOTS ONLY)

Comments: THIS NEW PR# WAS CREATED DUE TO A PRIOR RESIDUE STUDY CONDUCTED/CANCELED UNDER PR# 09710:10/19; EPA GREEN:12/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MI234 Zandstra, Dr. Bernard H.
20-OH*310 Horst, Leona

20-TX399 Marconi, Cristina
20-FL160 Thomas, Darrell
(repl with 21-FL02)
21-FL02 Thomas, Darrell
(repl of 20-FL160 - no add'l \$)

20-WA*424 Larson, Duane
20-CA104 Skiles, Keri
(Decline)
20-CA105 Skiles, Keri
20-CA106 Leach, Nathan
20-CA107 Kyser, Guy
20-WA425 Peng, Wilson



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

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Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12845	20-STR04	A	HOMA	XDE-659 (CORTEVA)	CARROT	ROOT VEGETABLES SUBGROUPS (01AB)

Reason for Need: ALTERNARIA AND CERCOSPORA; ADDITIONAL PRODUCTS ARE NEEDED FOR ALTERNATION WITH BRAVO AND THE STROBILURINS

Use Pattern: (PCR): MAKE 5 FOLIAR APPLIC, BY GROUND ONLY, OF 0.09-0.13 LB AI (100-150 G AI/HA)/A, 10-14 DAY INTERVAL, 1-DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS APPEAR; APPLY WITH A NIS OR NIS BLEND; DO NOT APPLY BY AIR OR VIA CHEMIGATION

E/CS Data Requirements:

E/CS Research Comments: PMC/CANADA IS PLANNING TO DO 2 EFF TRIALS IN 2020, TARGETING CERCOSPORA AND ALTERNARIA:12/19

IR-4 Residue Trial Plan: NAFTA SITES: 1 5-2 10-5, 1 DECLINE TRIAL

Comments: NO KEY EXPORT MARKETS NOTED:08/19; MFG SUPPORTS, RESIDUE DATA ONLY, AND MAY ASSIST WITH ANALYSIS OF SAMPLES; MFG IS DOING RESIDUE STUDIES ON SUGAR BEETS AND POTATOES, LEAVING ONLY RADISH (NO REQUEST RECEIVED) TO BE DONE AS A REP CROP TO SUPPORT THE WHOLE CROP GROUP 1, ROOT AND TUBER VEGETABLES:09/19; MFG CONFIRMED CARROT EFFICACY TRIALS ARE UNDERWAY:09/17/19

NER-EPA Region-FRD

20-NJ273 Fisher, Jennifer

NCR-EPA Region-FRD

20-OH*309 Horst, Leona
20-OH*464 Horst, Leona

SOR-EPA Region-FRD

WSR-EPA Region-FRD

20-CA99 Skiles, Keri
(Region 10)
20-CA100 Leach, Nathan
(Region 10)
20-CA101 Leach, Nathan
(Region 10)
20-CA*102 Benzen, Ms. Sharon D.
20-CA*103 Benzen, Ms. Sharon D.

CANADA-EPA Region-FRD

20-NS290 Hanscomb, Darrell
20-ON322 Wismer, R.J.
(decline)
20-QC357 Cloutier, Dominic



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12605	<u>LAB</u> 20-FLR01	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> PIKE	<u>CHEMICAL (MFG)</u> 2,4-D (AMINE)(TASK FORCE) (TASK)	<u>COMMODITY</u> GINSENG	<u>CROP GROUP</u> ROOT VEGETABLES SUBGROUPS (01AB)
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Reason for Need: BROADLEAF WEEDS; CURRENTLY NO BROADLEAF HERBICIDES LABELED FOR USE ON GINSENG DURING THE GROWING SEASON; CURRENTLY, GROWERS HAND WEED GARDENS (WHEN AND IF CREWS ARE AVAILABLE TO HIRE) AT THE COST OF SEVERAL THOUSANDS OF DOLLARS PER ACRE PER YEAR

Use Pattern: (PCR): USE THE 2,4-D AMINE PRODUCT; MAKE 2 FOLIAR APPLIC OF 3.8 OZ AI/A (8 FL OZ/A OF PRODUCT) IN 30 GPA, 14-DAY INTERVAL; 30-DAY PHI; APPLY IN MID TO LATE JUNE, AND AGAIN IN JULY, IF NEEDED

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 5-4, 1 DECLINE TRIAL

Comments: KEY EXPORT MARKETS INCLUDE CHINA, TAIWAN, JAPAN, VIETNAM; ALBAUGH CAN'T COMMIT TO THIS, AS MEMBERS OF THE 2,4-D TASK FORCE; DUE TO POTENTIAL REG. REVIEW ISSUES, ALBAUGH DEFERS TO THE TASK FORCE FOR THIS:08/18; EPA GREEN:09/19; RECEIVED CONFIRMATION OF TASK FORCE APPROVAL, RESIDUE ONLY, AT FUW:09/19; THE TASK FORCE IS NOT ABLE TO SUPPORT A SPECIFIC FORMULATION FOR THIS STUDY, NOR A FORMULATION-SPECIFIC REGISTRATION; ONCE A TOLERANCE IS ESTABLISHED, ANYONE CAN ADD GINSENG TO THEIR PRODUCT LABEL VUA A ME-TOO SUBMISSION TO EPA; THE TASK FORCE IS REACHING OUT TO NUFARM TO CONFIRM THEY CAN PROVIDE GLP-CHARACTERIZED DMA PRODUCT AND A DRAFT DMA LABEL; THE TASK FORCE WILL PROVIDE THE DIETARY RISK ASSESSMENT, NOTICE OF FILING, ETC.:12/19; NUFARM CONFIRMED TO THE TASK FORCE, AND TO IR-4, THAT THEY ARE NOT IN SUPPORT OF THIS USE DUE TO CROP SAFETY CONCERNS; CORTEVA AGREED TO PROVIDE GLP-CHARACTERIZED TEST MATERIALS:02/20; NUFARM WOULD SUPPORT A 3RD PARTY LABEL HOLDER:07/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MI221 Hausbeck, Dr. Mary K.
 20-MI222 Hausbeck, Dr. Mary K.
 (decline)
 20-MI223 Hausbeck, Dr. Mary K.
 20-MI468 Hausbeck, Dr. Mary K.

20-ON312 Wismer, R.J.



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P12606	<u>LAB</u> -NONE	<u>PRIORITY</u> +	<u>STUDY DIRECTOR</u> HOMA	<u>CHEMICAL (MFG)</u> PICARBUTRAZOX (NISSO)	<u>COMMODITY</u> GINSENG	<u>CROP GROUP</u> ROOT VEGETABLES SUBGROUPS (01AB)
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Reason for Need: PHYTOPHTHORA ROOT ROT; MORE ACTIVE INGREDIENTS NEEDED FOR LONG GROWING SEASON; PER WI ME-TOO REQUEST: MORE TOOLS ARE NEEDED FOR ROOT ROT DISEASE

Use Pattern: (PCR): MAKE 3 FOLIAR BROADCAST APPLIC OF 1.4 OZ AI/A (13.6 FL OZ PRODUCT/A), 14-DAY INTERVAL, 14-DAY PHI; APPLY PRIOR TO DISEASE DEVELOPMENT

E/CS Data Requirements: NEED FIELD PERFORMANCE DATA, AS GH SEEDLING DATA ARE INSUFFICIENT:08/18; MFG PREFERS 2 MORE EFFICACY TRIALS BEYOND 2 TRIALS IN MI IN 2019:10/21/19

E/CS Research Comments: IN 2019 IR-4 PERFORMANCE PROTOCOL, IN 2 MI TRIALS TESTING BROADCAST APPLIC OF PICARBUTRAZOX 10SC AT 0.09 AND 0.18 LB AI/A RATES (1X, 2X) IN 100-200 GPA VS PRESIDIO AS A STANDARD; EVALUATING PHYTOPHTHORA ROOT ROT DISEASE INCIDENCE AND SEVERITY, AND CROP SAFETY; IN 2020 PERFORMANCE PROTOCOL: TESTING IS PLANNED USING SAME USE PATTERN AND STANDARD AS IN 2019 TRIALS, AND COLLECTING SIMILAR CROP INJURY AND DISEASE CONTROL DATA

IR-4 Residue Trial Plan: 5-4

Comments: KEY INT'L MARKETS INCLUDE CHINA, TAIWAN, JAPAN, VIET NAM; NISSO REQUESTS TO SEE FIELD PERFORMANCE DATA BEFORE THEY CAN SUPPORT RESIDUE TRIALS; SEEDLING GH TRIALS ARE NOT SUFFICIENT:08/18; MFG CONFIRMED THE STATUS CAN BE CHANGED TO RESEARCHABLE, RESIDUE DATA ONLY; SUFFICIENT, POSITIVE EFFICACY DATA HAS BEEN GENERATED:08/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MIP01 Hausbeck, Dr. Mary K.



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12903	<u>LAB</u> 20-YAR02	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> HOMA	<u>CHEMICAL (MFG)</u> FLUTOLANIL (NAI)	<u>COMMODITY</u> RADISH	<u>CROP GROUP</u> ROOT VEGETABLES SUBGROUPS (01AB)
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Reason for Need: FROM PR# 09711: RHIZOCTONIA SOLANI

Use Pattern: (PCR): FROM PR# 09711: 0.8-1.0 LB A/A; DRENCH APPLIC OR SOIL INCORPORATED PREPLANT; MAXIMUM 2 APPLIC AT 7-DAY INTERVAL; LESS THAN 14-DAY PHI; FROM 09711 RESIDUE PROTOCOL: 1.0 LB A/A; MAKE 2 FOLIAR APPLIC IN 20-45 GPA AT A 14-DAY INTERVAL; 7-DAY PHI

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 1 3-2 5 10, 1 DECLINE TRIAL (ROOTS AND TOPS FOR ALL TRIALS)

Comments: THIS NEW PR# WAS CREATED DUE TO A PRIOR RESIDUE STUDY CONDUCTED/CANCELED UNDER PR# 09711:10/19; EPA GREEN:12/19;

NER-EPA Region-FRD

20-NJ274 Fisher, Jennifer
(decline)

NCR-EPA Region-FRD

20-OH*311 Horst, Leona
20-WI445 Heider, Daniel J.

SOR-EPA Region-FRD

20-FL161 Long, Michael
20-FL162 Thomas, Darrell
20-GA*172 Fraelich, Ben
(reg 3)

WSR-EPA Region-FRD

20-CA*108 Benzen, Ms. Sharon D.

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12906	<u>LAB</u> 20-STR11	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> HOMA	<u>CHEMICAL (MFG)</u> XDE-659 (CORTEVA)	<u>COMMODITY</u> RADISH	<u>CROP GROUP</u> ROOT VEGETABLES SUBGROUPS (01AB)
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Reason for Need: ALTERNARIA AND CERCOSPORA FOLIAR BLIGHTS

Use Pattern: (PCR): MAKE FOLIAR APPLIC OF 0.09-0.13 LB AI/A, 10-14 DAY INTERVAL, 1-DAY PHI; MAKE 3 APPLIC PER CROPPING CYCLE, 5 APPLIC PER CALENDAR YEAR; APPLY BY GROUND IN A MINIMUM 30 GPA; DO NOT APPLY BY AIR OR CHEMIGATION; APPLY BEFORE VISIBLE DISEASE SYMPTOMS APPEAR; APPLY IN COMBO WITH A NIS OR NIS BLEND

E/CS Data Requirements:

E/CS Research Comments: PMC/CANADA IS PLANNING TO DO 1 EFF TRIAL IN 2020, TARGETING CERCOSPORA OR ALTERNARIA:12/19; MFG CONFIRMED THEY HAVE NO E/CS DATA ON RADISH:01/20

IR-4 Residue Trial Plan: NAFTA SITES: 3 5-2 10-2, 1 DECLINE TRIAL (ALL ARE TOPS AND ROOTS)

Comments: NO KEY INT'L MARKETS NOTED:09/19; MFG SUPPORTS, RESIDUE ONLY, AND MAY ASSIST WITH SAMPLE ANALYSIS; NOTE - DATA ON TOPS WILL BE COVERED BY, AND COLLECTED IN, GARDEN BEET STUDY PR# 12805:10/19; MFG CONFIRMED THAT E/CS DATA ARE ALSO NEEDED FOR RADISH:01/20;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-WI446 Heider, Daniel J.
(decline)
20-OH*465 Horst, Leona
(repl with 20-OH*489)
20-OH*489 Horst, Leona

20-GA*174 Fraelich, Ben
(reg 3)

20-CA118 Leach, Nathan
(Region 10)
20-CA*119 Benzen, Ms. Sharon D.

20-ON323 Riddle, Geoff
20-QC359 Smaers, Julie



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P12906	<u>LAB</u> -NONE	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> HOMA	<u>CHEMICAL (MFG)</u> XDE-659 (CORTEVA)	<u>COMMODITY</u> RADISH	<u>CROP GROUP</u> ROOT VEGETABLES SUBGROUPS (01AB)
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Reason for Need: ALTERNARIA AND CERCOSPORA FOLIAR BLIGHTS

Use Pattern: (PCR): MAKE FOLIAR APPLIC OF 0.09-0.13 LB AI/A, 10-14 DAY INTERVAL, 1-DAY PHI; MAKE 3 APPLIC PER CROPPING CYCLE, 5 APPLIC PER CALENDAR YEAR; APPLY BY GROUND IN A MINIMUM 30 GPA; DO NOT APPLY BY AIR OR CHEMIGATION; APPLY BEFORE VISIBLE DISEASE SYMPTOMS APPEAR; APPLY IN COMBO WITH A NIS OR NIS BLEND

E/CS Data Requirements:

E/CS Research Comments: PMC/CANADA IS PLANNING TO DO 1 EFF TRIAL IN 2020, TARGETING CERCOSPORA OR ALTERNARIA:12/19; MFG CONFIRMED THEY HAVE NO E/CS DATA ON RADISH:01/20

IR-4 Residue Trial Plan: NAFTA SITES: 3 5-2 10-2, 1 DECLINE TRIAL (ALL ARE TOPS AND ROOTS)

Comments: NO KEY INT'L MARKETS NOTED:09/19; MFG SUPPORTS, RESIDUE ONLY, AND MAY ASSIST WITH SAMPLE ANALYSIS; NOTE - DATA ON TOPS WILL BE COVERED BY, AND COLLECTED IN, GARDEN BEET STUDY PR# 12805:10/19; MFG CONFIRMED THAT E/CS DATA ARE ALSO NEEDED FOR RADISH:01/20;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MIP09 Hausbeck, Dr. Mary K.



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P11939	<u>LAB</u> -NONE	<u>PRIORITY</u> +	<u>STUDY DIRECTOR</u> BATTS	<u>CHEMICAL (MFG)</u> FLUMIOXAZIN + PYROXASULFONE (KICHEM,VALENT)	<u>COMMODITY</u> CASSAVA	<u>CROP GROUP</u> TUBEROUS AND CORM VEGETABLES SUBGROUPS (01CD)
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Reason for Need: WEEDS

Use Pattern: (PCR): USE PYROXASULFONE 85WG; MAKE 2 SOIL APPLIC OF 0.155-0.311 LB PRODUCT/A, 30-DAY INTERVAL, 60-DAY PHI; APPLY IMMEDIATELY POST PLANT AND EARLY POSTEMERGENCE AT FIRST SIGN OF FOLIAGE

E/CS Data Requirements: MFG CONTINUES DOING E/CS WORK IN BRAZIL:07/17; MFG WOULD NEED 3 ADDITIONAL EFFICACY TRIALS:05/19; VALENT HAS A LARGE E/CS PROGRAM IN AFRICA, SO IF 2 IR-4 TRIALS IN 2020 ARE GOOD, SHOULD BE SUFFICIENT:07/20

E/CS Research Comments: IN 2020 PERFORMANCE PROTOCOL: TESTING 2 RATES OF THE FIERCE 76WDG PRODUCT AT 2 DIFFERENT USE PATTERNS, WITH ALL APPLIC IN >15 GPA; TEST THE TREATMENT OF 0.08 LB AI/A PYROX + 0.063 LB AI/A FLUMIOXAZIN, AND THE TREATMENT OF 0.16 LB AI/A PYROX AND 0.126 LB AI/A FLUMIOXAZIN; EACH COMBO RATE WILL BE APPLIED TWICE - PREEMERGENCE BROADCAST FOLLOWED BY POSTEMERGENCE BROADCAST, AS WELL AS PREEMERGENCE BROADCAST FOLLOWED BY POSTEMERGENCE TO ROW MIDDLES ONLY; PREEMERGENCE APPLIC SHOULD BE MADE AFTER CASSAVA STEM SEGMENTS ARE PLANTED; POSTEMERGENCE APPLIC (USING HOODED SPRAYER IS RECOMMENDED, BUT NOT REQUIRED) SHOULD BE MADE 30 DAYS AFTER PREEMERGENCE APPLIC; EACH POSTEMERGENCE APPLIC SHOULD INCLUDE A NONIONIC SURFACTANT AT 0.25% V/V OR A CROP OIL CONCENTRATE AT 1 QT/A; EVALUATE CROP INJURY, BUT NOT WEED CONTROL; CROP YIELD DATA ARE OPTIONAL

IR-4 Residue Trial Plan:

Comments: CAN BE COVERED WITH A SUBGROUP 1C TOLERANCE, WITH POTATO AS THE REP CROP, IF THE USE PATTERN IS SIMILAR; THERE IS A LACK OF PREPLANT/PREEMERGENCE HERBICIDES; MFG MAY CONDUCT SOME FIELD RESEARCH; MFG INDICATES THAT FROM SOME INT'L WORK, CASSAVA IS TOLERANT OF THE AI, SO MFG SUPPORTS:06/16; MFG CONFIRMED CASSAVA USE PATTERN MATCHES POTATO USE PATTERN, SO TOLERANCE CAN BE COVERED BY POTATO:07/17; BASF NO LONGER SUPPORTS THIS USE OF SOLO PYROXASULFONE, BUT VALENT WILL SUPPORT THE DUAL AI PRODUCT WITH FLUMIOXAZIN (FIERCE); PER KUMIAI REQUEST AND PR REQUESTOR CONCURRENCE, CHEMICAL WAS CHANGED TO THE DUAL AI; NEED TO CONFIRM IF THERE IS NEED FOR RESIDUE DATA TO COVER FLUMIOXAZIN, SINCE THE PYROXASULFONE POTATO USE PATTERN & TOLERANCE APPEAR TO COVER CASSAVA:10/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-PRP01 Robles Vazquez, W.
20-PRP02 Robles Vazquez, W.



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
10558	20-FLR12	A	JOLLY	GLUFOSINATE (BASF,UPL NA)	SWEET POTATO	TUBEROUS AND CORM VEGETABLES SUBGROUPS (01CD)

Reason for Need: ANNUAL BROADLEAF WEEDS

Use Pattern: (PCR): PLANT BURNDOWN; 29-43 OZ/A; 1 APPLIC; PER AR ME-TOO, FOR PRE-PLANT BURNDOWN (AND AN ALTERNATIVE FOR BANDED APPLIC IN ROW MIDDLES - SEE PR# 12905)

E/CS Data Requirements: MFG REQUIRES ONLY CROP SAFETY DATA FIRST:09/16; IR-4 CONSIDERS PERFORMANCE RESEARCH IS COMPLETE WITH ONGOING WORK:11/18; SEE NEW MFG CROP SAFETY DATA REQUIREMENTS IN COMMENTS SECTION:08/19

E/CS Research Comments: IN THE 2020 PERFORMANCE PROTOCOL: TESTING 2 RATES (1.57 AND 3.16 LB AI/A) OF THE RELY PRODUCT, IN >15 GPA, EACH AT 3 DIFFERENT TIMINGS (1, 7 AND 14 DAYS BEFORE TRANSPLANTING); EACH TREATMENT WILL BE APPLIED ONCE AS A BROADCAST APPLIC TO PREFORMED BEDS; INCLUDE AMMONIUM SULFATE (AMS) AT 3 LB/A WITH THE LOW RELY RATE AND 6 LB/A WITH THE HIGH RELY RATE; EVALUATE CROP INJURY AND CROP YIELD (INCLUDING TUBER GRADING); NO WEED CONTROL DATA NEEDED

IR-4 Residue Trial Plan: 2-4 3 4 6 10

Comments: ORIGINAL REQUEST WAS REC'D 3/24/2010; MFG WILL REVISIT AFTER RE-REG REVIEW IS COMPLETED BY EPA:05/16; MFG QUESTIONS IF THIS REQUEST IS SIMILAR TO GLUFOSINATE USE ON POTATO AS A DESICANT (HARVEST AID); A PRE-SEASON BURNDOWN WOULD POSSIBLY FIT IN THE RISK CUP; IF USE PATTERN NEEDED IS THE SAME AS POTATO, THEN NO RESIDUE DATA ARE NEEDED AND THE POTATO TOLERANCE WOULD COVER THIS REQUEST (SAME IS TRUE FOR TARO, 09568):08/16; EPA CAUTION; MFG SUPPORTS AS POTENTIAL, AND NEEDS ONLY CROP SAFETY DATA FIRST:09/16; E/CS BEFORE RESIDUE - E/CS ON-GOING: 01/17; IR-4 CONSIDERS PERFORMANCE RESEARCH IS COMPLETE WITH ONGOING WORK, AND STATUS CAN BE MOVED TO "RESIDUE RESEARCHABLE":11/18; IR-4 PERFORMANCE WORK COMPLETE:03/19; MFG REQUESTS THIS PR BE SPLIT INTO 2 SEPARATE ONES BASED ON USE PATTERN, AS FOLLOWS: 1) PRE-TRANSPLANT USE PATTERN BASF SUPPORTS AS RESEARCHABLE, BUT SUGGESTS AT LEAST ONE YEAR OF ADDITIONAL CROP SAFETY TESTING BEFORE STARTING RESIDUE TRIALS (WITH FULL 2X EXAGGERATED RATES [1X = 0.78 LB AI/A] IN COMMERCIALY IMPORTANT SWEET POTATO GROWING AREAS - 2 TRIALS IN NC, AND 1 EACH IN LA, CA, AND MS OR TX; NEED TO REPEAT PROGRAM FOR 2 YEARS WITH FOCUS ON COARSE-TEXTURED SOILS WITH LOW ORGANIC MATTER); 2) POST-TRANSPLANT/INTER-ROW APPLIC USE PATTERN BASF SUPPORTS AS POTENTIAL, WITH NO EFFICACY DATA NEEDED; ADDITIONAL CROP SAFETY DATA IS REQUIRED, TESTING A FULL 2X EXAGGERATED RATE (1X = 0.78 LB AI/A) IN COMERCIALY IMPORTANT SWEET POTATO GROWING AREAS (2 TRIALS IN NC AND 1 EACH IN LA, CA, AND MS OR TX):08/19; EPA GREEN:09/19; AT FUW, PRE-PLANT BURNDOWN USE IS "A" (USING THIS PR#) AND POST ROW-MIDDLE USE IS "H+" (SEE PR# 12905):09/24/19; POTATO IS LABELED FOR DESICCATION, 9-DAY PHI, 21 OZ/A;

[NER-EPA Region-FRD](#)

[NCR-EPA Region-FRD](#)

[SOR-EPA Region-FRD](#)

[WSR-EPA Region-FRD](#)

[CANADA-EPA Region-FRD](#)



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS) (Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

20-NJ258	Freiberger, Tom	20-FL125	Thomas, Darrell	20-CA27	Skiles, Keri
		20-GA*165	Fraelich, Ben		
		20-LA193	Wright, Denise		
		20-NC236	Batts, Roger B.		
		20-NC237	Batts, Roger B.		
		20-NC238	Batts, Roger B.		
		20-NC239	Batts, Roger B.		
		20-TX382	Marconi, Cristina		



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
P10558	-NONE	A	BATTS	GLUFOSINATE (BASF,UPL NA)	SWEET POTATO	TUBEROUS AND CORM VEGETABLES SUBGROUPS (01CD)

Reason for Need: ANNUAL BROADLEAF WEEDS

Use Pattern: (PCR): PLANT BURNDOWN; 29-43 OZ/A; 1 APPLIC; PER AR ME-TOO, FOR PRE-PLANT BURNDOWN (AND AN ALTERNATIVE FOR BANDED APPLIC IN ROW MIDDLES - SEE PR# 12905)

E/CS Data Requirements: MFG REQUIRES ONLY CROP SAFETY DATA FIRST:09/16; IR-4 CONSIDERS PERFORMANCE RESEARCH IS COMPLETE WITH ONGOING WORK:11/18; SEE NEW MFG CROP SAFETY DATA REQUIREMENTS IN COMMENTS SECTION:08/19

E/CS Research Comments: IN THE 2020 PERFORMANCE PROTOCOL: TESTING 2 RATES (1.57 AND 3.16 LB AI/A) OF THE RELY PRODUCT, IN >15 GPA, EACH AT 3 DIFFERENT TIMINGS (1, 7 AND 14 DAYS BEFORE TRANSPLANTING); EACH TREATMENT WILL BE APPLIED ONCE AS A BROADCAST APPLIC TO PREFORMED BEDS; INCLUDE AMMONIUM SULFATE (AMS) AT 3 LB/A WITH THE LOW RELY RATE AND 6 LB/A WITH THE HIGH RELY RATE; EVALUATE CROP INJURY AND CROP YIELD (INCLUDING TUBER GRADING); NO WEED CONTROL DATA NEEDED

IR-4 Residue Trial Plan: 2-4 3 4 6 10

Comments: ORIGINAL REQUEST WAS REC'D 3/24/2010; MFG WILL REVISIT AFTER RE-REG REVIEW IS COMPLETED BY EPA:05/16; MFG QUESTIONS IF THIS REQUEST IS SIMILAR TO GLUFOSINATE USE ON POTATO AS A DESICANT (HARVEST AID); A PRE-SEASON BURNDOWN WOULD POSSIBLY FIT IN THE RISK CUP; IF USE PATTERN NEEDED IS THE SAME AS POTATO, THEN NO RESIDUE DATA ARE NEEDED AND THE POTATO TOLERANCE WOULD COVER THIS REQUEST (SAME IS TRUE FOR TARO, 09568):08/16; EPA CAUTION; MFG SUPPORTS AS POTENTIAL, AND NEEDS ONLY CROP SAFETY DATA FIRST:09/16; E/CS BEFORE RESIDUE - E/CS ON-GOING: 01/17; IR-4 CONSIDERS PERFORMANCE RESEARCH IS COMPLETE WITH ONGOING WORK, AND STATUS CAN BE MOVED TO "RESIDUE RESEARCHABLE":11/18; IR-4 PERFORMANCE WORK COMPLETE:03/19; MFG REQUESTS THIS PR BE SPLIT INTO 2 SEPARATE ONES BASED ON USE PATTERN, AS FOLLOWS: 1) PRE-TRANSPLANT USE PATTERN BASF SUPPORTS AS RESEARCHABLE, BUT SUGGESTS AT LEAST ONE YEAR OF ADDITIONAL CROP SAFETY TESTING BEFORE STARTING RESIDUE TRIALS (WITH FULL 2X EXAGGERATED RATES [1X = 0.78 LB AI/A] IN COMMERCIALLY IMPORTANT SWEET POTATO GROWING AREAS - 2 TRIALS IN NC, AND 1 EACH IN LA, CA, AND MS OR TX; NEED TO REPEAT PROGRAM FOR 2 YEARS WITH FOCUS ON COARSE-TEXTURED SOILS WITH LOW ORGANIC MATTER); 2) POST-TRANSPLANT/INTER-ROW APPLIC USE PATTERN BASF SUPPORTS AS POTENTIAL, WITH NO EFFICACY DATA NEEDED; ADDITIONAL CROP SAFETY DATA IS REQUIRED, TESTING A FULL 2X EXAGGERATED RATE (1X = 0.78 LB AI/A) IN COMMERCIALLY IMPORTANT SWEET POTATO GROWING AREAS (2 TRIALS IN NC AND 1 EACH IN LA, CA, AND MS OR TX):08/19; EPA GREEN:09/19; AT FUW, PRE-PLANT BURNDOWN USE IS "A" (USING THIS PR#) AND POST ROW-MIDDLE USE IS "H+" (SEE PR# 12905):09/24/19; POTATO IS LABELED FOR DESICCATION, 9-DAY PHI, 21 OZ/A;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-NCP02 Jennings, Katie
20-LAP01 Wright, Denise

20-CAP10 Stoddard, Scott



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12905	-NONE	+	BATTS	GLUFOSINATE (BASF,UPL NA)	SWEET POTATO	TUBEROUS AND CORM VEGETABLES SUBGROUPS (01CD)

Reason for Need: FROM PR# 10558: ANNUAL BROADLEAF WEEDS; PER AR ME-TOO, FOR AN ALTERNATIVE FOR BANDED APPLIC IN ROW MIDDLES (AND FOR PRE-PLANT BURNDOWN - SEE PR# 10558)

Use Pattern: (PCR): FROM PR# 10558: PRE PLANT BURNDOWN; 29-43 OZ/A; 1 APPLIC; PER AR ME-TOO, NEEDED FOR PRE-PLANT BURNDOWN AND AS AN ALTERNATIVE FOR BANDED APPLIC IN ROW MIDDLES

E/CS Data Requirements: POST-TRANSPLANT/ROW-MIDDLE APPLIC USE PATTERN BASF SUPPORTS AS POTENTIAL, WITH NO EFFICACY DATA NEEDED, BUT ADDITIONAL CROP SAFETY DATA IS REQUIRED, TESTING A FULL 2X EXAGGERATED RATE (1X = 0.78 LB AI/A) IN COMERCIAALLY IMPORTANT SWEET POTATO GROWING AREAS (2 TRIALS IN NC AND 1 EACH IN LA, CA, AND MS OR TX):08/19

E/CS Research Comments: IN THE 2020 PERFORMANCE PROTOCOL: TESTING 2 RATES (1.57 AND 3.16 LB AI/A) OF THE RELY PRODUCT VS A 4X RATE OF A COMMERCIAL STANDARD, IN >15 GPA, EACH AT 2 DIFFERENT TIMINGS (10-14 DAYS AFTER TRANSPLANTING, AND AT FINAL CULTIVATION STAGE); EACH TREATMENT WILL BE APPLIED ONCE AS A POST-DIRECTED APPLIC TO ROW MIDDLES ONLY, USING AN UNSHIELDED SPRAYER; INCLUDE AMMONIUM SULFATE (AMS) AT 3 LB/A WITH THE LOW RELY RATE AND 6 LB/A WITH THE HIGH RELY RATE; EVALUATE CROP INJURY AND CROP YIELD (INCLUDING TUBER GRADING); NO WEED CONTROL DATA NEEDED

IR-4 Residue Trial Plan:

Comments: THIS NEW PR# WAS CREATED FOR POST, ROW-MIDDLE USE PATTERN; FROM PR# 10558: CAN COVER OTHER SWEET POTATO REQUEST, PR# 12060 AND TARO 09568); MFG REQUESTS THE ORIGINAL PR# 10558 BE SPLIT INTO 2 SEPARATE ONES BASED ON USE PATTERN, AS FOLLOWS: 1) PRE-TRANSPLANT USE PATTERN (SEE PR# 10558) BASF SUPPORTS AS RESEARCHABLE FOR RESIDUE STUDY, AND SUGGESTS AT LEAST ONE YEAR OF ADDITIONAL CROP SAFETY TESTING (WITH FULL 2X EXAGGERATED RATES [1X = 0.78 LB AI/A] IN COMMERCIALLY IMPORTANT SWEET POTATO GROWING AREAS - 2 TRIALS IN NC, AND 1 EACH IN LA, CA, AND MS OR TX; NEED TO REPEAT PROGRAM FOR 2 YEARS WITH FOCUS ON COARSE-TEXTURED SOILS WITH LOW ORGANIC MATTER); 2) POST-TRANSPLANT/INTER-ROW APPLIC USE PATTERN BASF SUPPORTS AS POTENTIAL, WITH NO EFFICACY DATA NEEDED, BUT ADDITIONAL CROP SAFETY DATA IS REQUIRED, TESTING A FULL 2X EXAGGERATED RATE (1X = 0.78 LB AI/A) IN COMERCIAALLY IMPORTANT SWEET POTATO GROWING AREAS (2 TRIALS IN NC AND 1 EACH IN LA, CA, AND MS OR TX):08/19; EPA GREEN:09/19; AT FUW, PRE-PLANT BURNDOWN USE IS AN "A" RESIDUE PRIORITY (SEE PR# 10558), AND POST ROW-MIDDLE USE IS "H+" (THIS PR# 12905):9/24/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-NCP04 Jennings, Katie
 20-LAP02 Wright, Denise
 20-NCP05 Jennings, Katie
 20-MSP02 Shankle, Mark W.

20-CAP13 Stoddard, Scott



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12869	-NONE	B	BATTS	PARAQUAT (AMVAC,SYNGEN)	SWEET POTATO	TUBEROUS AND CORM VEGETABLES SUBGROUPS (01CD)

Reason for Need: WEEDS; NO POSTEMERGENCE HERBICIDES REGISTERED FOR WEED CONTROL IN PLANT BEDS; PER CA ME-TOO REQUEST, A CONTACT HERBICIDE, RATHER THAN SYSTEMIC LIKE GLYPHOSATE, MAY HAVE BETTER CROP SAFETY AT THIS TIME; POTENTIAL COMPARISON PRODUCTS MAY BE SUPPRESS AT 6%, RELY, ROUNDUP:09/19

Use Pattern: (PCR): MAKE ONE FOLIAR APPLIC OF 1.5-2.0 PT/A, JUST AFTER PLASTIC IS REMOVED; NO OTHER USE PATTERN DETAILS PROVIDED

E/CS Data Requirements:

E/CS Research Comments: IN THE 2020 PERFORMANCE PROTOCOL: TESTING GRAMOXONE SL PRODUCT AT 3 RATES (1X, 2X, 4X) - 0.25, 0.5 AND 1.0 LB AI/A, IN 10-30 GPA; MAKE A SINGLE POSTEMERGENCE BROADCAST APPLIC TO SMALL WEEDS AND NEWLY-EMERGED SWEET POTATO SHOOTS, JUST AFTER PROTECTIVE COVERING IS REMOVED FROM THE PROPAGATION BED; INCLUDE A NONIONIC SURFACTANT AT 0.25% V/V; EVALUATE CROP INJURY AND WEED CONTROL IN THE PROPAGATION BED, AND CROP INJURY, PLANT STAND AND CROP YIELD/TUBER GRADE IN THE FIELD

IR-4 Residue Trial Plan: SEEK TOLERANCE VIA CHEMSAC PROPOSAL

Comments: EUROPE NOTED AS A KEY EXPORT MARKET; SEE PR# 10583 AND 11327 FOR OTHER REQUESTS FOR THIS PRODUCT ON SWEET POTATO:08/19; BY EMAIL, MFG APPROVED, RESIDUE AND E/CS DATA NEEDED:09/19/19; SUBGROUP 1C IS REGISTERED IN US AND EU; CONSIDER IF THE REQUESTED USE CAN BE SECURED VIA CHEMSAC PROPOSAL:10/2/19; STATUS CHANGED TO E/CS DATA ONLY:10/29/19; CHEMSAC AGREED WITH THE IR-4 PROPOSAL (THE PROPOSED USE PATTERN IS NOT EXPECTED TO RESULT IN HIGHER RESIDUES THAN THOSE ON POTATO) AND CONCLUDED THAT THIS PROPOSED NEW USE CAN BE SUPPORTED WITH EXISTING DATA AND THE TOLERANCE FOR RESIDUES IN/ON VEGETABLE, TUBEROUS AND CORM, SUBGROUP 1C; THIS CONCLUSION COULD BE USED TO SUPPORT A 24C APPLICATION AND/OR A LABEL AMENDMENT:03/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-NCP03 Jennings, Katie
20-MSP01 Shankle, Mark W.

20-CAP11 Stoddard, Scott



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12666	<u>LAB</u> 20-BYP01	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> PIKE	<u>CHEMICAL (MFG)</u> FLUPYRADIFURONE (BAYER)	<u>COMMODITY</u> BEET GREENS (GARDEN)	<u>CROP GROUP</u> LEAVES OF ROOT AND TUBER VEGETABLES GROUP (02)
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Reason for Need: WHITEFLIES, APHID; IN THE CENTRAL VALLEY OF CA, THE INSECT PEST SPECTRUM IS VERY BROAD; NEED MORE TOOLS AVAILABLE TO CONTROL PIERCING SUCKING INSECTS; THIS MATERIAL IS ACTUALLY REGISTERED ON GARDEN BEETS BUT THE REGISTRATION DOES NOT INCLUDE BEET TOPS; SINCE BUNCHED BEETS ARE SOLD WITH TOPS ATTACHED, THIS PRODUCT CAN'T BE USED

Use Pattern: (PCR): USE THE SIVANTO PRIME PRODUCT; MAKE 2 FOLIAR APPLIC OF 2.39 OZ AI/A, 10-DAY INTERVAL, 7-DAY PHI; APPLY NO MORE THAN 0.365 LB AI/A (28.0 FL OZ OF SIVANTO PRIME) PER CALENDAR YEAR

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 1 5-2 6 12 (2 DECLINE TRIALS)

Comments: NO KEY EXPORT MARKET NOTED; SETTING A TOLERANCE FOR TOPS WOULD ADDRESS THE INADVERTENT RESIDUE SITUATION:01/19; CHANGED TO RESEARCHABLE, RESIDUE ONLY, PER HQ:07/19; BAYER HAS REQUESTED 2 DECLINE TRIALS FOR THIS MOR STUDY, AND OFFERED TO ANALYZE SAMPLES (CONFIRMED TWO METABOLITES WILL BE REQUIRED - DFA AND 6-CNA):07/19; EPA GREEN:09/19

NER-EPA Region-FRD

20-NY01 Jordan, Dr. Grant
(2020 \$)

NCR-EPA Region-FRD

20-OH*02 Horst, Leona
20-WI03 Heider, Daniel J.
(2020 \$) (Decline)

SOR-EPA Region-FRD

20-TX04 Marconi, Cristina
(2020 \$) (Decline)

WSR-EPA Region-FRD

20-CA*05 Benzen, Ms. Sharon D.
20-WA*06 Larson, Duane

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12799	-NONE	+	PIKE	BROFLANILIDE (BASF)	ONION	ONION BULB AND GREEN SUBGROUPS (03-07AB)

Reason for Need: ONION MAGGOT, DALIA ANTIQUA, SEEDCORN MAGGOT, DELIA PLATURA; CHLORPYRIFOS WILL BE BANNED FOR USE IN MOST STATES; TRIGARD SEED TREATMENT MAY NO LONGER BE AVAILABLE; SEPRESTO SEED TREATMENT IS INEFFECTIVE; ONLY ONE VIABLE OPTION EXISTS - FARMORE FI500; PER CO ME-TOO REQUEST, THERE ARE ISSUES WITH THESE PESTS ON THE WESTERN SLOPE OF CO; PER AR ME-TOO REQUEST, ONION TRANSPLANT GROWERS SUPPORT THIS REQUEST; PER CA ME-TOO REQUEST, SEED TREATMENTS ARE THE ONLY ALTERNATIVES NOW, AS CHLORPYRIFOS USES ARE CANCELED; PER WA ME-TOO REQUEST, WOULD REPLACE POST-SEEDING PRE-EMERGENT BROADCAST SPRAYS OF CHLORPYRIFOS IN THE COLUMBIA BASIN ONION GROWING AREAS OF WASHINGTON STATE AND OREGON AND IN THE TREASURE VALLEY OF OREGON AND IDAHO;; PER FL ME-TOO REQUEST, ONION MAGGOT HAS BEEN A GROWING PROBLEM FOR ONION AND CHIVE GROWERS, AND THIS PROVIDES A REASONABLE OPTION AS A SEED TREATMENT:08/19

Use Pattern: (PCR): MAKE ONE SEED TREATMENT APPLIC; RATE, PHI NOT DEFINED; MUST BE APPLIED BY A COMMERCIAL SEED TREATER

E/CS Data Requirements: BASF REQUESTS 6-8 PERFORMANCE TRIALS, CONDUCTED IN COMMERCIALLY RELEVANT ONION GROWING AREAS (I.E, THE PCR REQUESTING STATES) ACROSS THE U.S., WITH BOTH ONION MAGGOT EFFICACY DATA AND CROP SAFETY DATA COLLECTED; BASF TO BE ACTIVELY INVOLVED IN PROTOCOL DEVELOPMENT FOR THE PERFORMANCE PROGRAM, POSSIBLY EVALUATING BOTH SEED TREATMENT AND IN-SOIL APPLIC

E/CS Research Comments: CONTACT IR-4 DISCIPLINE LEAD FOR 2020 PERFORMANCE PROTOCOL DETAILS

IR-4 Residue Trial Plan: BULB: 1 5 6 8 10-2 11 12 GREEN: 2 3 10

Comments: REQUEST IS FOR SEED TREATMENT; IS AN EXPORT COMMODITY TO MANY COUNTRIES; MFG MADE REQUEST "POTENTIAL":08/19

NER-EPA Region-FRD

20-NYP02 Nault, B.A.
20-NYP03 Nault, B.A.

NCR-EPA Region-FRD

20-WIP02 Chapman, Scott
20-WIP03 Chapman, Scott

SOR-EPA Region-FRD

WSR-EPA Region-FRD

20-CAP14 Wilson, Rob G.
20-WAP05 Waters, T.D.

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 08550	<u>LAB</u> 20-CAR10	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> SAMOIL	<u>CHEMICAL (MFG)</u> FLONICAMID (FMC,ISK)	<u>COMMODITY</u> ONION	<u>CROP GROUP</u> ONION BULB AND GREEN SUBGROUPS (03-07AB)
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Reason for Need: ONION THRIPS, WESTERN FLOWER THRIPS; FROM PROJECT NOMINATION JUSTIFICATION COMMENTS: ONION THRIPS ARE DIFFICULT TO CONTROL, WITH FEW PESTICIDE OPTIONS, IN LARGE PART DUE TO RESISTANCE; PER CA ME-TOO REQUEST, ADDITIONAL MATERIALS ARE NEEDED FOR THRIPS MANAGEMENT:09/19

Use Pattern: (PCR): 0.134 LB AI/A (MFG ONLY ALLOWS 0.089 LB AI/A; WITH 3 APPLIC); MFG REQUESTS USE OF 0.133 LB AI/A (150 G AI/HA), APPLIED ONLY TWICE:06/17

E/CS Data Requirements: MFG REQUESTS 2-3 E/CS TRIALS, ESPECIALLY IN CA, SINGLE YEAR TRIALS, USE THE 0.133 LB AI/A RATE, 2 APPLIC:06/17

E/CS Research Comments: WA STATE IS COLLECTING E/CS DATA; PMC/CANADA IS DOING E/CS TRIALS IN 2018 AND 2019:06/18

IR-4 Residue Trial Plan: NAFTA SITES STILL NEEDED - DRY BULB: 6 8 10-2 11-2; GREEN: 10-2 12

Comments: FMC DROP:09/05; MFG CHANGED TO RESEARCHABLE, WITH E/CS DATA REQUIRED:06/17; CANADA DOING A 2018 RESIDUE STUDY ON GR ONION (3 TRIALS) AND BULB ONION (5 TRIALS), WITH ALL TRIALS IN ZONE 5; IR-4 TO CONSIDER SUBMITTING CANADIAN DATA:06/18; EPA GREEN:09/18; MFG CHANGED STATUS TO RESIDUE ONLY; IF SELECTED FOR U.S., COULD REQUIRE A REDUCED # OF TRIALS BY USING CANADIAN DATA FROM 2018 RESIDUE STUDY:07/19; EPA GREEN:09/19; CANADIAN SAMPLES FROM 2018 STUDY ARE TO BE ANALYZED IN JAN. 2020:10/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS) (Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

20-TX380 (Dry bulb)	Marconi, Cristina	20-CA16 (Dry bulb)	Kyser, Guy
		20-CA17 (Dry bulb)	Skiles, Keri
		20-CA18 (Region 10)(Green)	Leach, Nathan
		20-CA*19 (dry bulb)	Benzen, Ms. Sharon D.
		20-CA*20 (Green)	Benzen, Ms. Sharon D.
		20-ID181 (Dry bulb)	Meeks, Mr. Will
		20-NM276 (Region 8)(Dry bulb) - to be dropped & r	Hamilton, Cary
		20-WA*403 (dry bulb)	Larson, Duane
		20-WA404 (Dry bulb)	Peng, Wilson
		20-OR405 (Region 12)(Green)	Lightle, Dani
		20-CO461 (repl of 20-NM276)(no add'l \$)	Oman, Clark (CAT)



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12322	-NONE	A	HOMA	NMG787 (TBD)	ONION	ONION BULB AND GREEN SUBGROUPS (03-07AB)

Reason for Need: NEMATODES - THERE IS A LACK OF REGISTERED PRODUCTS FOR NEMATODE MANAGEMENT, AND NEMATODES ARE IMPACTING PRODUCTION IN MAJOR GROWING AREAS

Use Pattern: (PCR): APPLY AS A DRENCH OR DRIP TO THE SOIL AT 500 G AI/HA; ALSO CONSIDER USE AS A SEED TREATMENT

E/CS Data Requirements: IR-4 NEEDS AN ADDITIONAL EFF TRIAL IN GA IN 2020 WITH ABI, AS THERE WAS NO PRESSURE IN 2019 IN FL:05/19

E/CS Research Comments: MFG DOING A 2018 PERFORMANCE PROGRAM:11/17; CONTACT STUDY DIRECTOR FOR ANY DETAILS ABOUT IR-4 PERFORMANCE RESEARCH PROTOCOLS IN 2018, 2019 AND 2020

IR-4 Residue Trial Plan: BULB: 1 6 8 10-2 11 GREEN: 2 3 5 10 (1 DECLINE ON EACH TYPE); FOR JOINT PROJECT WITH PMC, NAFTA TRIAL SITES = BULB: 5-2 6 8 10-2 11-2; GREEN: 5-2 10-2 12; 2019 "RED A" TRIAL NEEDED - MI TRIAL ASSIGNED

Comments: USE ON GARLIC WOULD BE COVERED BY THESE RESIDUE DATA; NEED TO CONDUCT SUFFICIENT TRIALS TO SUPPORT A CODEX MRL; MFG CAN ASSIST BY ANALYZING RESIDUE SAMPLES:08/17; MFG INDICATES RESIDUE AND E/CS DATA ARE NEEDED:09/17; POTENTIAL JOINT PROJECT WITH CANADA:10/17; THIS STUDY HAS BEEN CANCELLED SINCE THE REGISTRANT CONFIRMED THERE WAS NOT SUFFICIENT STORAGE STABILITY DATA TO COVER THE STUDY; SEE NEW PR# 13032:06/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-GAP01 Hajihassani, Dr. Abolfazl



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12804	<u>LAB</u> 20-STR09	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> LENNON	<u>CHEMICAL (MFG)</u> XDE-659 (CORTEVA)	<u>COMMODITY</u> ONION	<u>CROP GROUP</u> ONION BULB AND GREEN SUBGROUPS (03-07AB)
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Reason for Need: BOTRYTIS AND ALTERNARIA; FUNGICIDE IS SUSPECTED WEAK ON STEMPHYLIUM BUT WORTHWHILE TO OBTAIN OBSERVATIONS ON PERFORMANCE IF THIS FUNGUS ALSO OCCURS; DUE TO FUNGICIDE RESISTANCE, TARGET PATHOGENS ARE DIFFICULT TO MANAGE SUCCESSFULLY WITH AVAILABLE FUNGICIDES AND ALTERNATIVES ARE NEEDED TO FOLLOW LABEL USE RESTRICTIONS FOR RESISTANCE MANAGEMENT

Use Pattern: (PCR): MAKE 5 FOLIAR APPLIC (PER CALENDAR YEAR), BY GROUND ONLY, OF 0.09-0.13 LB AI (100-150 G AI/HA)/A, MINIMUM 30 GPA, 10-14 DAY INTERVAL, 1-DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS APPEAR; APPLY WITH A NIS OR NIS BLEND; DO NOT APPLY WITH ADDITIVES CONTAINING LATEXES; DO NOT APPLY BY AIR OR VIA CHEMIGATION (MFG REQUESTS THAT APPLIC OF XDE-659 SHOULD BE NO MORE THAN 1/3 OF THE TOTAL FUNGICIDE APPLIC, UP TO 3 APPLIC PER CROPPING SEASON AND 5 PER CALENDAR YEAR)

E/CS Data Requirements: NEED GREEN ONION EFFICACY DATA:09/17/19

E/CS Research Comments: PMC/CANADA IS CONDUCTING 1 DRY BULB EFF TRIAL (IN BC), AND 1 GR. ONION EFF TRIAL IN 2020, BOTH TARGETING BOTRYTIS LEAF BLIGHT:12/19

IR-4 Residue Trial Plan: NAFTA SITES: DRY BULB: 5-2 6 8 10-2 11-2; GREEN: 5-2 10-2 12, 1 DECLINE TRIAL

Comments: NO KEY EXPORT MARKETS NOTED; MFG SUPPORTS, RESIDUE AND E/CS, AND POSSIBLY WILL ASSIST WITH SAMPLE ANALYSIS:08/19; MFG CONFIRMED ONLY RESIDUE DATA NEEDED FOR BULB ONION (AND EFFICACY TRIALS ARE IN PROGRESS); NEED RESIDUE AND EFFICACY TRIALS FOR GREEN ONION:09/17/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES INDICATED IN THE IR-4 RESIDUE TRIAL PLAN FIELD (US SITES WERE: BULB: 1 5 6 8 10-2 11 12, 1 DECLINE TRIAL; GREEN: ANY 4 TRIALS, 1 DECLINE TRIAL):10/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

20-OH*302 (green)	Horst, Leona	20-TX393 (dry bulb)	Marconi, Cristina	20-CA70 (Dry bulb)	Kyser, Guy	20-ON317 (Dry bulb)	Riddle, Geoff
20-OH303 (dry bulb)	Doohan, D.			20-CA71 (Green)	Leach, Nathan	20-ON318 (Green)(decline)	Henricks, Mary
20-OH*466 (bulb)	Horst, Leona			20-CA*72 (green)	Benzen, Ms. Sharon D.		
20-OH*467 (green onion) (decline)	Horst, Leona			20-CA*73 (dry bulb)	Benzen, Ms. Sharon D.	20-QC353 (Dry bulb)	Smaers, Julie
				20-NM286 (Region 8)(dry bulb) - to be repl with 20-(Hamilton, Cary	20-QC354 (Green)	Smaers, Julie
				20-OR332 (Region 12)(Green)	Lightle, Dani		
				20-WA419 (Dry bulb)	Peng, Wilson		
				20-WA*420 (dry bulb)	Larson, Duane		
				20-CO452 (\$ transf from ft 20-NM286)	Oman, Clark (CAT)		



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12804	-NONE	A	HOMA	XDE-659 (CORTEVA)	ONION	ONION BULB AND GREEN SUBGROUPS (03-07AB)

Reason for Need: BOTRYTIS AND ALTERNARIA; FUNGICIDE IS SUSPECTED WEAK ON STEMPHYLIUM BUT WORTHWHILE TO OBTAIN OBSERVATIONS ON PERFORMANCE IF THIS FUNGUS ALSO OCCURS; DUE TO FUNGICIDE RESISTANCE, TARGET PATHOGENS ARE DIFFICULT TO MANAGE SUCCESSFULLY WITH AVAILABLE FUNGICIDES AND ALTERNATIVES ARE NEEDED TO FOLLOW LABEL USE RESTRICTIONS FOR RESISTANCE MANAGEMENT

Use Pattern: (PCR): MAKE 5 FOLIAR APPLIC (PER CALENDAR YEAR), BY GROUND ONLY, OF 0.09-0.13 LB AI (100-150 G AI/HA)/A, MINIMUM 30 GPA, 10-14 DAY INTERVAL, 1-DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS APPEAR; APPLY WITH A NIS OR NIS BLEND; DO NOT APPLY WITH ADDITIVES CONTAINING LATEXES; DO NOT APPLY BY AIR OR VIA CHEMIGATION (MFG REQUESTS THAT APPLIC OF XDE-659 SHOULD BE NO MORE THAN 1/3 OF THE TOTAL FUNGICIDE APPLIC, UP TO 3 APPLIC PER CROPPING SEASON AND 5 PER CALENDAR YEAR)

E/CS Data Requirements: NEED GREEN ONION EFFICACY DATA:09/17/19

E/CS Research Comments: PMC/CANADA IS CONDUCTING 1 DRY BULB EFF TRIAL (IN BC), AND 1 GR. ONION EFF TRIAL IN 2020, BOTH TARGETING BOTRYTIS LEAF BLIGHT:12/19

IR-4 Residue Trial Plan: NAFTA SITES: DRY BULB: 5-2 6 8 10-2 11-2; GREEN: 5-2 10-2 12, 1 DECLINE TRIAL

Comments: NO KEY EXPORT MARKETS NOTED; MFG SUPPORTS, RESIDUE AND E/CS, AND POSSIBLY WILL ASSIST WITH SAMPLE ANALYSIS:08/19; MFG CONFIRMED ONLY RESIDUE DATA NEEDED FOR BULB ONION (AND EFFICACY TRIALS ARE IN PROGRESS); NEED RESIDUE AND EFFICACY TRIALS FOR GREEN ONION:09/17/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES INDICATED IN THE IR-4 RESIDUE TRIAL PLAN FIELD (US SITES WERE: BULB: 1 5 6 8 10-2 11 12, 1 DECLINE TRIAL; GREEN: ANY 4 TRIALS, 1 DECLINE TRIAL):10/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MIP05	Hausbeck, Dr. Mary K.	20-FLP05	Raid, Dr. Richard
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2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P12131	<u>LAB</u> -NONE	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> BATTS	<u>CHEMICAL (MFG)</u> PROMETRYN (ADAMA,SYNGEN)	<u>COMMODITY</u> LEEK	<u>CROP GROUP</u> ONION, GREEN SUBGROUP (03-07B)
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Reason for Need: WEEDS; NEED A POST EMERGENT OPTION FOR WEED CONTROL

Use Pattern: (PCR): USE THE CAPAROL 4L PRODUCT; MAKE 2 FOLIAR APPLIC OF 1.6 LB AI/A, 10-DAY INTERVAL, 50-DAY PHI; APPLY TO WELL ESTABLISHED TRANSPLANTS THAT HAVE GROWN ONE NEWLY ESTABLISHED LEAF, FOLLOWED BY A 2ND APPLIC IN 10 DAYS

E/CS Data Requirements: NEED 4-5 TRIALS, 1X AND 2X RATES (AND MIXTURE FOR 1X) VS STANDARD; CROP SAFETY % AT 7, 21, 42 DAT; EFFICACY AT 28 AND 42 DAT; YIELD; RUN TRIALS SPREAD GEOGRAPHICALLY TO COVER DIFFERENCES ACROSS LIKELY USE AREA

E/CS Research Comments: IN THE 2018 PROTOCOL: USE THE CAPAROL 4L PRODUCT; TEST 1.6 AND 3.2 LB AI/A ALONE, 1.6 LB AI/A TANK-MIXED WITH A GROWER STANDARD, AND THE GROWER STANDARD ALONE; MAKE 2 BROADCAST APPLIC OF EACH TREATMENT, IN 15-40 GPA; MAKE 1ST APPLIC WHEN 1-3 NEW LEAVES ARE ESTABLISHED, AND THE 2ND APPLIC 50 DAYS PRIOR TO LEEK MATURITY; EVALUATE PLOTS FOR CROP INJURY, WEED CONTROL AND CROP YIELD; IN THE 2019 PERFORMANCE PROTOCOL, TEST THE SAME TREATMENTS AS IN 2018, AND SIMILAR EVALUATIONS

IR-4 Residue Trial Plan: JOINT PROJECT WITH PMC; NAFTA TRIAL SITES: 5-2 10-2 12 (THESE ARE TRIAL SITES FOR GR. ONION); 1 TRIAL IS A DECLINE

Comments: MRL IS ESTABLISHED IN KEY EXPORT MARKET IN CANADA:03/17; SYNGENTA SUPPORTS; NEED E/CS DATA WITH RESIDUE; AS NEEDED, GENERATE ENOUGH DATA TO SECURE CODEX MRL IF COMMODITY IS EXPORTED:07/17; EPA CAUTION:08/17; POTENTIAL JOINT PROJECT WITH CANADA:10/17

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-CAP09 Smith, Dr. Richard



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12815	20-FLR05	A	JOLLY	LINURON (TKI)	ONION (GREEN)	ONION, GREEN SUBGROUP (03-07B)

Reason for Need: COMMON PURSLANE, HAIRY GALINSOGA, PROSTRATE PIGWEED; CURRENT COSTS FOR HAND LABOR TO COMPLETE WEED CONTROL IN GREEN ONION IS IN EXCESS OF \$500/ ACRE; LABOR SUPPLY IS NOT DEPENDABLE; PER FL ME-TOO REQUEST, THERE ARE FEW OPTIONS FOR BROADLEAF WEED CONTROL IN ONIONS; ECONOMIC ALTERNATIVES TO HAND WEEDING ARE NEEDED DUE TO EXPENSE AND AVAILABILITY OF LABOR

Use Pattern: (PCR): MAKE 1 EARLY TO MID POST EMERGENCE (2-4 LEAF STAGE OF ONION AND EMERGED WEEDS) APPLIC OF LINURON AT 0.25-1.0 LB/A, 25-30 DAY PHI; LIMIT USE TO MUCK SOILS OR SEVERE CROP INJURY MAY OCCUR

E/CS Data Requirements:

E/CS Research Comments: IN THE 2020 PERFORMANCE PROTOCOL: ON MUCK SOILS ONLY, TESTING 3 RATES OF LINEX 4L, AT 0.25, 0.5 AND 1.0 LB AI/A, APPLIED POST-EMERGENCE BROADCAST TO 2-LEAF ONIONS, IN 10-40 GPA, VS A REGISTERED STANDARD; APPLY IRRIGATION TO ACTIVATE HERBICIDE, IF LESS THAN 0.5 INCHES RAIN FALLS WITHIN 7 DAYS OF APPLIC; COLLECT DATA ON CROP INJURY, WEED CONTROL, AND CROP YIELD

IR-4 Residue Trial Plan: ANY 4 TRIALS, 1 DECLINE TRIAL

Comments: CANADA IS NOTED AS A LIKELY EXPORT MARKET; POSSIBLY COMBINE PR# 12816/ONION BULB (STORAGE):08/19; TKI SUPPORTS:10/19; EPA GREEN:12/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MI230 (decline)	Zandstra, Dr. Bernard H.
20-OH*306	Horst, Leona
20-OH307	Dooan, D.
20-WI442	Heider, Daniel J.



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12815	-NONE	A	BATTS	LINURON (TKI)	ONION (GREEN)	ONION, GREEN SUBGROUP (03-07B)

Reason for Need: COMMON PURSLANE, HAIRY GALINSOGA, PROSTRATE PIGWEED; CURRENT COSTS FOR HAND LABOR TO COMPLETE WEED CONTROL IN GREEN ONION IS IN EXCESS OF \$500/ ACRE; LABOR SUPPLY IS NOT DEPENDABLE; PER FL ME-TOO REQUEST, THERE ARE FEW OPTIONS FOR BROADLEAF WEED CONTROL IN ONIONS; ECONOMIC ALTERNATIVES TO HAND WEEDING ARE NEEDED DUE TO EXPENSE AND AVAILABILITY OF LABOR

Use Pattern: (PCR): MAKE 1 EARLY TO MID POST EMERGENCE (2-4 LEAF STAGE OF ONION AND EMERGED WEEDS) APPLIC OF LINURON AT 0.25-1.0 LB/A, 25-30 DAY PHI; LIMIT USE TO MUCK SOILS OR SEVERE CROP INJURY MAY OCCUR

E/CS Data Requirements:

E/CS Research Comments: IN THE 2020 PERFORMANCE PROTOCOL: ON MUCK SOILS ONLY, TESTING 3 RATES OF LINEX 4L, AT 0.25, 0.5 AND 1.0 LB AI/A, APPLIED POST-EMERGENCE BROADCAST TO 2-LEAF ONIONS, IN 10-40 GPA, VS A REGISTERED STANDARD; APPLY IRRIGATION TO ACTIVATE HERBICIDE, IF LESS THAN 0.5 INCHES RAIN FALLS WITHIN 7 DAYS OF APPLIC; COLLECT DATA ON CROP INJURY, WEED CONTROL, AND CROP YIELD

IR-4 Residue Trial Plan: ANY 4 TRIALS, 1 DECLINE TRIAL

Comments: CANADA IS NOTED AS A LIKELY EXPORT MARKET; POSSIBLY COMBINE PR# 12816/ONION BULB (STORAGE):08/19; TKI SUPPORTS:10/19; EPA GREEN:12/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MIP12 Zandstra, Dr. Bernard H. 20-FLP09 Odero, D.C.



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12797	20-STR08	A	LENNON	XDE-659 (CORTEVA)	LETTUCE (GH)	LEAFY GREENS SUBGROUP (04-16A)

Reason for Need: BOTRYTIS, POWDERY MILDEW, EARLY BLIGHT, SEPTORIA, ALTERNARIA, SCLEROTINIA, FUSARIUM (SUPPRESSION); PER IL AND NY ME-TOO REQUESTS, NEED TO HAVE AN ALTERNATIVE FOR BOTRYTIS MANAGEMENT WHEN ORGANIC PRODUCTS ARE NOT ENOUGH

Use Pattern: (PCR): USE 0.09-0.13 LB AI/A; MAKE UP TO 3 FOLIAR APPLIC PER CROP, MAX 5 PER YR, MINIMUM 30 GPA, 10-14 DAY INTERVAL, 0-3 DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS OF POWDERY MILDEW APPEAR; APPLY WITH AN NIS OR NIS BLEND ADJUVANT, BUT NOT WITH ADDITIVES CONTAINING LATEXES; DO NOT APPLY BY CHEMIGATION

E/CS Data Requirements: MFG REQUESTS GH CROP SAFETY DATA:09/17/19

E/CS Research Comments: PMC/CANADA IS PLANNING TO CONDUCT 2 GH EFF TRIALS IN 2020, TARGETING POWDERY MILDEW:12/19

IR-4 Residue Trial Plan: ANY 4 TRIALS (HEAD LETTUCE NOT REQUIRED), 1 DECLINE TRIAL (= SAME AS NAFTA TRIAL SITES)

Comments: CANADA NOTED AS A KEY EXPORT MARKET:07/19; MFG SUPPORTS THIS GH USE, RESIDUE AND E/CS, AND MAY ASSIST WITH ANALYTICAL WORK; THE USE PATTERN NEEDS TO ALSO INCLUDE "NO MORE THAN 1/3 OF TOTAL FUNGICIDE SPRAYS":08/19; MFG IS DOING FIELD RESIDUES ON HEAD AND LEAF LETTUCE; NEED GH CROP SAFETY DATA:09/17/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES ANY 4 TRIALS WITH 1 DECLINE (SAME AS IR-4 TRIAL PLAN):10/19; CATEGORY CHANGED FROM RESEARCHABLE, RESIDUE & E/CS DATA NEEDED TO COMPLETE WITH ONGOING TRIALS:03/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-WI440 Chapman, Scott
(decline)

20-TX392 Marconi, Cristina

20-CA69 Ennes, D. (Kearney)
(Leaf)

20-BC12 Nield, David
20-NS288 Hanscomb, Darrell



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12817	20-YAR05	A	JOLLY	S-METOLACHLOR/METOLAC HLOR (SYNGEN,UPL NA)	GREENS (MUSTARD)	BRASSICA LEAFY GREENS SUBGROUP (04-16B)

Reason for Need: GALINSOGA, PURSLANE, ANNUAL GRASSES, YELLOW NUTSEDGE; CURRENT 30-DAY PHI IS TOO LONG FOR CURRENT MARKET CONDITIONS, OFTEN DELAYING HARVEST BEYOND OPTIMUM MATURITY; PER FL ME-TOO REQUEST, A SHORTER PHI IS NEEDED DUE TO GROWING DEMAND FOR YOUNGER, MORE TENDER GREENS; PER CA ME-TOO REQUEST, THERE ARE HORRIBLE WEED PROBLEMS IN THEIR MUSTARD FIELDS

Use Pattern: (PCR): USE DUAL MAGNUM; MAKE ONE APPLIC, PRE TO CROP AND WEEDS, USING 0.95 LB AI (1 PT)/A; 21-DAY PHI; APPLY IMMEDIATELY AFTER SEEDING

E/CS Data Requirements: PER MFG, NO PERFORMANCE DATA NEEDED:11/19

E/CS Research Comments:

IR-4 Residue Trial Plan: 2-2 3 4 5 6 10-2, NO DECLINE NEEDED PER MFG:02/20

Comments: CANADA NOTED AS A LIKELY EXPORT MARKET:08/19; MFG MADE RESEARCHABLE:09/17/19; MFG REMOVED THE NEED FOR PERFORMANCE DATA - NEED ONLY RESIDUE:11/19; EPA GREEN:12/19

NER-EPA Region-FRD

20-NJ271 Freiberger, Tom
(reg 2)

NCR-EPA Region-FRD

20-OH308 Doohan, D.

SOR-EPA Region-FRD

20-FL153 Long, Michael
20-GA*170 Fraelich, Ben
(reg 3)(to be repl with 20-GA*472)
20-LA206 Wright, Denise
20-NC251 Batts, Roger B.
(to be dropped & repl with 20-NC459)
20-SC*368 Wade, Paul
(to be repl with 20-SC*471)
20-TX395 Marconi, Cristina
20-NC459 Batts, Roger B.
(to replace 20-NC251)(no add'l \$ needed)
20-NC470 Batts, Roger B.
(to replace 20-NC459 - add'l \$ needed)
20-SC*471 Wade, Paul
(to replace 20-SC*368)
20-GA*472 Fraelich, Ben
(to replace 20-GA*170)

WSR-EPA Region-FRD

20-CA85 Skiles, Keri
20-CA*86 Benzen, Ms. Sharon D.

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12909	20-TBD	A	MOORE,P	XDE-659 (CORTEVA)	GREENS (MUSTARD)	BRASSICA LEAFY GREENS SUBGROUP (04-16B)

Reason for Need: ALTERNARIA; ALTERNARIA LEAF BLIGHT ON MUSTARD GREENS CAN CAUSE 100% MARKETABLE YIELD LOSS; COMMONLY USED GROUP OF FUNGICIDE, STROBILURINS, ARE INEFFECTIVE DUE TO DEVELOPMENT OF RESISTANCE IN ALTERNARIA; NEED A BETTER ALTERNATIVE WITH A NEW MODE OF ACTION

Use Pattern: (PCR): MAKE 3 FOLIAR APPLIC OF 0.09-0.13 LB AI/A, 7-10 DAY INTERVAL, 0-DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS OF AALTERNARIA LEAF SPOT APPEAR; ALTERNATE WITH DIFFERENT MODE OF ACTION PRODUCTS; DO NOT APPLY BY CHEMIGATION

E/CS Data Requirements: MFG CONFIRMED THAT NO ADDITIONAL EFFICACY DATA ARE NEEDED:06/20

E/CS Research Comments:

IR-4 Residue Trial Plan: 2-2 3 4 5-2 6 10-2, 1 DECLINE TRIAL

Comments: NO KEY EXPORT MARKET NOTED; WITH MFG COVERING ALL THE OTHER CROP GROUP 4-16 REP CROPS, THIS PROJECT WOULD COMPLETE THE CROP GROUP:10/19; MFG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:10/30/19; PRIORITY "B" CHANGED TO "A" TO REPLACE LOST STUDIES FOR 2020; MFG CONFIRMED THAT NO ADDITIONAL EFFICACY DATA ARE NEEDED, AND STATUS CHANGED TO RESIDUE ONLY:06/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-WI484 Chapman, Scott
20-OH485 Doohan, D.

20-NC479 Batts, Roger B.
20-SC*480 Wade, Paul
20-GA*481 Fraelich, Ben
20-FL482 Thomas, Darrell
20-MS483 Horn, Tyler
20-TX486 Jones, Trevor

20-CA487 Ennes, D. (Kearney)
20-CA488 Leach, Nathan
(decline)



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Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
07091	18-YAR01	A	BARNEY	FLUAZINAM (ISK,SYNGEN)	BROCCOLI	BRASSICA HEAD AND STEM VEGETABLE GROUP (05-16)

Reason for Need: FOLIAR DISEASES, DOWNY MILDEW, WIRESTEM (THE ONLY WIRESTEM FUNGICIDE CAN ONLY BE USED AT PLANTING)

Use Pattern: (PCR): FOLIAR SPRAY; 0.5 LB AI/A (SEE CABBAGE STUDIES 08796 AND 07093 FOR DRENCH AND FOLIAR USE PATTERNS, INCLUDING 7-DAY PHI)

E/CS Data Requirements: KEY IS DOWNY MILDEW; NEED 3 TRIALS, FOLIAR AND SOIL TRTS (?):10/17; IR-4 CONSIDERS E/CS DATA COMPLETE WITH ONGOING WORK:11/18

E/CS Research Comments:

IR-4 Residue Trial Plan: 6 10-4 12 (1 DECLINE); A REPLACEMENT REG. 10 TRIAL WAS ASSIGNED ID# .20-NM07

Comments: SYNGENTA & ISK SUPPORT:10/02; EARLY SEASON USE; THERE IS A CROP GROUP 5 TOLERANCE, BUT NOT COVERING FOLIAR USES:06/14; CLUB ROOT IS ON THE LABEL AND A SINGLE TRIAL FOR RHIZOCTONIA IS DONE:09/16; IR-4 CONSIDERS E/CS DATA COMPLETE WITH ONGOING WORK:11/18

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-NM07 Hamilton, Cary
 (repl ft - no add'l \$ needed) - to be replac
 20-CA453 Ennes, D. (Kearney)
 (\$ moved from 20-NM07)



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Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

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<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12806	20-STR03	A	SAMOIL	XDE-659 (CORTEVA)	BROCCOLI	BRASSICA HEAD AND STEM VEGETABLE GROUP (05-16)

Reason for Need: ALTERNARIA LEAF SPOT; DUE TO FUNGICIDE RESISTANCE, TARGET DISEASE IS DIFFICULT TO MANAGE SUCCESSFULLY WITH AVAILABLE FUNGICIDES AND ALTERNATIVES ARE NEEDED TO FOLLOW LABEL USE RESTRICTIONS FOR RESISTANCE MANAGEMENT; PER RI ME-TOO REQUEST, ALTERNARIA IS A VERY SIGNIFICANT BROCCOLI DISEASE, WITH INCREASING PRESSURE DUE TO GROWING OF OTHER SUSCEPTIBLE BRASSICA CROPS ALONGSIDE BROCCOLI; PER MI ME-TOO REQUEST, BROCCOLI IS A NICHE CROP IN MI AND IS GROWN LATER IN THE FALL FOR PROCESSING, WHEN THE DEW PERIODS ARE EXTENDED AND DISEASE IS MORE LIKELY

Use Pattern: (PCR): MAKE 5 FOLIAR APPLIC (PER CALENDAR YEAR), BY GROUND ONLY, OF 0.09-0.13 LB AI (100-150 G AI/HA)/A, MINIMUM 30 GPA, 10-14 DAY INTERVAL, 1-DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS APPEAR; APPLY WITH A NIS OR NIS BLEND; DO NOT APPLY WITH ADDITIVES CONTAINING LATEXES; DO NOT APPLY BY AIR OR VIA CHEMIGATION (MFG REQUESTS THAT APPLIC OF XDE-659 SHOULD BE NO MORE THAN 1/3 OF THE TOTAL FUNGICIDE APPLIC, UP TO 3 APPLIC PER CROPPING SEASON AND 5 PER CALENDAR YEAR)

E/CS Data Requirements: NEED EFFICACY AND CROP SAFETY DATA:09/17/19

E/CS Research Comments: PMC/CANADA IS PLANNING TO DO 2 EFF TRIALS IN 2020, TARGETING ALTERNARIA:12/19

IR-4 Residue Trial Plan: NAFTA SITES: 5-2 10-6, 1 DECLINE TRIAL

Comments: NO KEY EXPORT MARKETS NOTED; MFG SUPPORTS, RESIDUE AND E/CS, AND POSSIBLY WILL ASSIST WITH SAMPLE ANALYSIS:08/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES INDICATED IN THE IR-4 RESIDUE TRIAL PLAN FIELD (US TRIAL SITES WERE: 6 10-6 12, 1 DECLINE TRIAL):10/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MI227 Zandstra, Dr. Bernard H.
(decline)
20-OH*463 Horst, Leona
(repl 20-ON320)

20-CA*75 Benzen, Ms. Sharon D.
20-CA*76 Benzen, Ms. Sharon D.
20-CA77 Leach, Nathan
(Expedited protocol)
20-CA78 Skiles, Keri
20-CA79 Watkins, S.
20-CA80 Watkins, S.

20-ON320 Henricks, Mary
(repl by 20-OH*356)
20-QC356 Cloutier, Dominic



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12806	-NONE	A	HOMA	XDE-659 (CORTEVA)	BROCCOLI	BRASSICA HEAD AND STEM VEGETABLE GROUP (05-16)

Reason for Need: ALTERNARIA LEAF SPOT; DUE TO FUNGICIDE RESISTANCE, TARGET DISEASE IS DIFFICULT TO MANAGE SUCCESSFULLY WITH AVAILABLE FUNGICIDES AND ALTERNATIVES ARE NEEDED TO FOLLOW LABEL USE RESTRICTIONS FOR RESISTANCE MANAGEMENT; PER RI ME-TOO REQUEST, ALTERNARIA IS A VERY SIGNIFICANT BROCCOLI DISEASE, WITH INCREASING PRESSURE DUE TO GROWING OF OTHER SUSCEPTIBLE BRASSICA CROPS ALONGSIDE BROCCOLI; PER MI ME-TOO REQUEST, BROCCOLI IS A NICHE CROP IN MI AND IS GROWN LATER IN THE FALL FOR PROCESSING, WHEN THE DEW PERIODS ARE EXTENDED AND DISEASE IS MORE LIKELY

Use Pattern: (PCR): MAKE 5 FOLIAR APPLIC (PER CALENDAR YEAR), BY GROUND ONLY, OF 0.09-0.13 LB AI (100-150 G AI/HA)/A, MINIMUM 30 GPA, 10-14 DAY INTERVAL, 1-DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS APPEAR; APPLY WITH A NIS OR NIS BLEND; DO NOT APPLY WITH ADDITIVES CONTAINING LATEXES; DO NOT APPLY BY AIR OR VIA CHEMIGATION (MFG REQUESTS THAT APPLIC OF XDE-659 SHOULD BE NO MORE THAN 1/3 OF THE TOTAL FUNGICIDE APPLIC, UP TO 3 APPLIC PER CROPPING SEASON AND 5 PER CALENDAR YEAR)

E/CS Data Requirements: NEED EFFICACY AND CROP SAFETY DATA:09/17/19

E/CS Research Comments: PMC/CANADA IS PLANNING TO DO 2 EFF TRIALS IN 2020, TARGETING ALTERNARIA:12/19

IR-4 Residue Trial Plan: NAFTA SITES: 5-2 10-6, 1 DECLINE TRIAL

Comments: NO KEY EXPORT MARKETS NOTED; MFG SUPPORTS, RESIDUE AND E/CS, AND POSSIBLY WILL ASSIST WITH SAMPLE ANALYSIS:08/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES INDICATED IN THE IR-4 RESIDUE TRIAL PLAN FIELD (US TRIAL SITES WERE: 6 10-6 12, 1 DECLINE TRIAL):10/19;

<u>NER-EPA Region-FRD</u>	<u>NCR-EPA Region-FRD</u>	<u>SOR-EPA Region-FRD</u>	<u>WSR-EPA Region-FRD</u>	<u>CANADA-EPA Region-FRD</u>
20-NYP04	Hoepting, Christine	20-MIP13	Hausbeck, Dr. Mary K.	



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

PR #	LAB	PRIORITY	STUDY DIRECTOR	CHEMICAL (MFG)	COMMODITY	CROP GROUP
11772	20-FLR08	A	JOLLY	LINURON (TKI)	BEAN (EDIBLE PODED & SUCCULENT SHELLED)	EDIBLE PODED AND SUCCULENT SHELLED PEA/BEAN SUBGROUPS (06AB)

Reason for Need: WEEDS, PARTICULARLY AMARANTH SPECIES AND SPECIFICALLY PALMER AMARANTH; PIGWEEDS AND GRASSES; PER GA ME-TOO REQUEST, THERE ARE FEW ALTERNATIVES

Use Pattern: (PCR): USE THE LOROX/LINEX PRODUCT; MAKE 1 PREEMERGENCE APPLIC TO THE SOIL OF 0.5-1.0 LB AI/A (1-2 PT/A), AFTER PLANTING BUT PRIOR TO SEEDLING EMERGENCE

E/CS Data Requirements: MFG REQUESTS 2 E/CS TRIALS ON LIMA BEAN AND 2 ON SNAP BEAN:11/19

E/CS Research Comments: MFG HAS SOME TRIAL DATA THAT INDICATES LINURON IS SAFE WHEN APPLIED PREEMERGENCE AT RATES OF 2 LB PROD/A OR LESS:08/15; IN IR-4 2020 PERFORMANCE PROTOCOL: ON SNAP BEAN IN FL AND LIMA BEAN IN DE, TESTING 3 RATES OF LINEX 4L, AT 0.5, 1.0 AND 2.0 LB AI/A, APPLIED PRE-EMERGENCE BROADCAST, AFTER SEEDING AND BEFORE CROP EMERGENCE, IN 10-40 GPA, VS A REGISTERED STANDARD; APPLY IRRIGATION TO ACTIVATE HERBICIDE, IF LESS THAN 0.5 INCHES RAIN FALLS WITHIN 7 DAYS OF APPLIC; COLLECT DATA ON CROP INJURY, WEED CONTROL, AND CROP YIELD

IR-4 Residue Trial Plan: LIMA: 2-3 5 10 11; SNAP: 1 2 3 5-2 11

Comments: MFG MAY CONSIDER SOME FUNDING TO HELP OFFSET RESEARCH COSTS:08/15; EPA CAUTION:09/15; EPA CAUTION:08/16; EPA CAUTION: 08/17; EPA GREEN:09/18 & 09/19

NER-EPA Region-FRD

20-MD210 Ross, Marylee
(lima beans)(reg 2)(repl with 20-MD47
20-NJ260 Fisher, Jennifer
(snap beans)
20-MD261 Ross, Marylee
(snap beans)(reg 2)
20-MD474 Ross, Marylee
(to repl MD210 - no addl \$ needed)

NCR-EPA Region-FRD

20-MI220 Zandstra, Dr. Bernard H.
(lima)
20-OH296 Doohan, D.
(snap)
20-OH*297 Horst, Leona
(snap)

SOR-EPA Region-FRD

20-FL133 Thomas, Darrell
(snap)
20-GA*167 Fraelich, Ben
(lima)(reg 2)
20-SC*364 Wade, Paul
(lima)

WSR-EPA Region-FRD

20-CA*34 Benzen, Ms. Sharon D.
(lima)
20-ID182 Meeks, Mr. Will
(lima)
20-WA410 Peng, Wilson
(snap)
20-WA*411 Larson, Duane
(snap)

CANADA-EPA Region-FRD



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(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P11772	-NONE	A	BATTS	LINURON (TKI)	BEAN (EDIBLE PODED & SUCCULENT SHELLED)	EDIBLE PODED AND SUCCULENT SHELLED PEA/BEAN SUBGROUPS (06AB)

Reason for Need: WEEDS, PARTICULARLY AMARANTH SPECIES AND SPECIFICALLY PALMER AMARANTH; PIGWEEDS AND GRASSES; PER GA ME-TOO REQUEST, THERE ARE FEW ALTERNATIVES

Use Pattern: (PCR): USE THE LOROX/LINEX PRODUCT; MAKE 1 PREEMERGENCE APPLIC TO THE SOIL OF 0.5-1.0 LB AI/A (1-2 PT/A), AFTER PLANTING BUT PRIOR TO SEEDLING EMERGENCE

E/CS Data Requirements: MFG REQUESTS 2 E/CS TRIALS ON LIMA BEAN AND 2 ON SNAP BEAN:11/19

E/CS Research Comments: MFG HAS SOME TRIAL DATA THAT INDICATES LINURON IS SAFE WHEN APPLIED PREEMERGENCE AT RATES OF 2 LB PROD/A OR LESS:08/15; IN IR-4 2020 PERFORMANCE PROTOCOL: ON SNAP BEAN IN FL AND LIMA BEAN IN DE, TESTING 3 RATES OF LINEX 4L, AT 0.5, 1.0 AND 2.0 LB AI/A, APPLIED PRE-EMERGENCE BROADCAST, AFTER SEEDING AND BEFORE CROP EMERGENCE, IN 10-40 GPA, VS A REGISTERED STANDARD; APPLY IRRIGATION TO ACTIVATE HERBICIDE, IF LESS THAN 0.5 INCHES RAIN FALLS WITHIN 7 DAYS OF APPLIC; COLLECT DATA ON CROP INJURY, WEED CONTROL, AND CROP YIELD

IR-4 Residue Trial Plan: LIMA: 2-3 5 10 11; SNAP: 1 2 3 5-2 11

Comments: MFG MAY CONSIDER SOME FUNDING TO HELP OFFSET RESEARCH COSTS:08/15; EPA CAUTION:09/15; EPA CAUTION:08/16; EPA CAUTION: 08/17; EPA GREEN:09/18 & 09/19

NER-EPA Region-FRD

20-DEP01 VanGessel, M.
(lima)

NCR-EPA Region-FRD

SOR-EPA Region-FRD

20-FLP10 Dittmar, Dr. Peter
(snap)

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



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Residue and Efficacy/Crop Safety (E/CS)

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Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12675	20-MIR05	A	PIKE	EMAMECTIN BENZOATE (SYNGEN)	BEAN, LIMA (SUCCULENT)	SUCCULENT/DRIED SHELLED PEA/BEAN SUBGROUPS (06BC)

Reason for Need: SOYBEAN LOOPERS; SOYBEAN LOOPERS DAMAGE DEVELOPING PODS AND ARE A HARVEST CONTAMINANT; POPULATIONS THROUGHOUT THE SOUTHEAST WHERE THEY MIGRATE FROM IN AUG/SEPT ARE RESISTANT TO DIAMIDES, PYRETHROIDS, AND POSSIBLY TO INDOXACARB; EMAMECTIN HAS GOOD EFFICACY ON SOYBEAN LOOPER IN OTHER CROPS, AND PRELIMINARY DATA IN DE SUPPORTS THIS; THERE ARE FEW EFFECTIVE OPTIONS FOR LIMA BEANS WITH A SHORT PHI

Use Pattern: (PCR): USE THE PROCLAIM FORMULATION; MAKE FOLIAR APPLIC OF 0.24 OZ AI/A; 3-7 DAY PHI (IR-4 HQ SUGGESTS CONSIDERATION OF MAKING 6 FOLIAR APPLIC OF 4.8 OZ PRODUCT/A, 7-DAY INTERVAL, 3-DAY PHI); MFG SUGGESTS A DIFFERENT FORMULATION WOULD BE SUPPORTED, ONLY 3 APPLIC/YR AND TOTAL OF 0.045 LB AI/A/YR:05/19

E/CS Data Requirements: MFG CONFIRMED NO E/CS DATA NEEDED:11/19

E/CS Research Comments:

IR-4 Residue Trial Plan: 2-4 5 10-2 11, 1 DECLINE TRIAL

Comments: NO KEY EXPORT MARKET NOTED:02/19; MFG MADE RESEARCHABLE:05/19; EPA GREEN CHANGED TO EPA YELLOW:09/19; MFG CONFIRMED NO E/CS DATA NEEDED, SO STATUS CHANGED TO RESIDUE ONLY:11/19

NER-EPA Region-FRD

20-MD212 Ross, Marylee
20-MD213 Ross, Marylee
(decline)

NCR-EPA Region-FRD

20-OH*299 Horst, Leona

SOR-EPA Region-FRD

20-GA*168 Fraelich, Ben
20-NC264 Batts, Roger B.
20-SC*365 Wade, Paul

WSR-EPA Region-FRD

20-CA43 Kyser, Guy
(Region 10)
20-ID183 Meeks, Mr. Will
20-CA281 Kyser, Guy
(Region 10)

CANADA-EPA Region-FRD



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<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
09533	20-CAR12	A	LENNON	CYAZOFAMID (ISK)	BEAN (DRIED SHELLLED)	DRIED SHELLLED PEA/BEAN (EXCEPT SOYBEAN) SUBGROUP (06C)

Reason for Need: PYTHIUM APHANIDERMATUM, COTTONY LEAK

Use Pattern: (PCR): 2.75 FL OZ/A; FOLIAR SPRAYS AT 30-60 GPA; WEEKLY APPLIC; 7-DAY PHI

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 1 5-5 7-2 8 9 10 11

Comments: MFG MAY ASSIST IN FINAL REPORT WRITING:08/05; EPA GREEN:09/18 & 09/19

NER-EPA Region-FRD

20-NJ257 Fisher, Jennifer

NCR-EPA Region-FRD

20-OH294 Doohan, D.
 20-OH295 Doohan, D.
 20-SD370 Reicks, Graig
 (reg 7)
 20-SD371 Reicks, Graig
 (reg 7)
 20-WI428 Chapman, Scott
 20-WI429 Chapman, Scott
 20-WI430 Chapman, Scott

SOR-EPA Region-FRD

WSR-EPA Region-FRD

20-CA*25 Benzen, Ms. Sharon D.
 20-NM277 Hamilton, Cary
 (Region 8) - to be repl with 20-CO454
 20-NM278 Hamilton, Cary
 (Region 9) - to be repl with 20-CO455
 20-WA*408 Larson, Duane
 20-WA409 Peng, Wilson
 20-CO454 Oman, Clark (CAT)
 (reg 8) (moved funding from 20.NM277)
 20-CO455 Oman, Clark (CAT)
 (reg 9) (moved funding from 20.NM278)

CANADA-EPA Region-FRD



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Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12841	20-MIR10	A	SAMOIL	BENTAZON + ACIFLUORFEN (ARYSTA,UPL NA)	PEA (DRY)	DRIED SHELLED PEA/BEAN (EXCEPT SOYBEAN) SUBGROUP (06C)

Reason for Need: BROADLEAF WEEDS; UNIQUE MODE OF ACTION; POST PLANT APPLIC; THIS DUAL AI PRODUCT PROVIDES BETTER CROP SAFETY; POTENTIAL 60-80,00 ACRES IN ID, AND WEED CONTROL PROBLEMS ARE SIMILAR TO WA; PER MT ME-TOO REQUEST, DRY PEAS ARE A MAJOR CROP IN MT, AND THIS NEED HAS INDUSTRY SUPPORT

Use Pattern: (PCR): USE STORM; MAKE ONE POST EMERGE FOLIAR APPLIC OF 16-24 OZ/A; NO OTHER USE PATTERN INFO PROVIDED

E/CS Data Requirements:

E/CS Research Comments: IN 2020 PERFORMANCE PROTOCOL: IN SPRING PLANTED PEAS, TESTING THE STORM PRODUCT AT 3 RATES (16, 24 AND 48 OZ/A), EACH WITH A NONIONIC SURFACTANT AND WITH A CROP OIL CONCENTRATE, VS A COMMERCIAL STANDARD, ALL APPLIED IN 10-40 GPAA AS A POSTEMERGENCE BROADCAST APPLIC WHEN BROADLEAF WEEDS ARE 2-4 INCHES TALL; EVALUATE CROP INJURY, WEED CONTROL AND CROP YIELD/GRADE

IR-4 Residue Trial Plan: 7-3 11/12-2

Comments: KEY EXPORT MARKETS INCLUDE INDIA, CHINA, EU, PERU, CHILE, MEXICO; BENTAZON IS REGISTERED ON DRY PEA, BUT THERE IS NO TOLERANCE FOR ACIFLUORFEN; SEE PR# 12751 (ACIFLUORFEN/DRY PEA) WHICH IS UNDER EVALUATION, AND 11510 (BENTAZON/DRY PEA); THIS REQUEST IS FOR THE DUAL AI PRODUCT STORM; MFG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:08/19; PER EMAIL, MFG PREFERS THIS COMBO PRODUCT VS 12751 ACIFLUORFEN ALONE:09/23/19; AT FUW, COMBO PRODUCT GIVEN "A" PRIORITY, SO THIS REQUEST TO COVER PR# 12751:09/24/19; CANADIAN INTEREST FOR JOINT STUDY, USING NAFTA TRIAL SITES (7-4 11 14-3, 1 DECLINE TRIAL [IN CANADA]); US TRIAL SITES WERE: 7-3 11/12-2:10/19; CANADA CONFIRMED THIS WILL NOT BE A JOINT PROJECT, SO NEED TO USE U.S. TRIAL SITE REQUIREMENTS:10/23/19; EPA GREEN:12/19; CATEGORY WILL BE CHANGED TO RESIDUE DONE/ONGOING; E/CS DATA DONE/ONGOING ONCE THE RESIDUE PROTOCOL IS SIGNED:03/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-SD374 Reicks, Graig
(reg 7)
20-SD375 Reicks, Graig
(reg 7)
20-SD376 Reicks, Graig
(reg 7)
20-SD377 Reicks, Graig
(reg 7)

20-ID189 Meeks, Mr. Will
20-WA*423 Larson, Duane



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Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P12841	<u>LAB</u> -NONE	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> BATTS	<u>CHEMICAL (MFG)</u> BENTAZON + ACIFLUORFEN (ARYSTA,UPL NA)	<u>COMMODITY</u> PEA (DRY)	<u>CROP GROUP</u> DRIED SHELLED PEA/BEAN (EXCEPT SOYBEAN) SUBGROUP (06C)
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Reason for Need: BROADLEAF WEEDS; UNIQUE MODE OF ACTION; POST PLANT APPLIC; THIS DUAL AI PRODUCT PROVIDES BETTER CROP SAFETY; POTENTIAL 60-80,00 ACRES IN ID, AND WEED CONTROL PROBLEMS ARE SIMILAR TO WA; PER MT ME-TOO REQUEST, DRY PEAS ARE A MAJOR CROP IN MT, AND THIS NEED HAS INDUSTRY SUPPORT

Use Pattern: (PCR): USE STORM; MAKE ONE POST EMERGE FOLIAR APPLIC OF 16-24 OZ/A; NO OTHER USE PATTERN INFO PROVIDED

E/CS Data Requirements:

E/CS Research Comments: IN 2020 PERFORMANCE PROTOCOL: IN SPRING PLANTED PEAS, TESTING THE STORM PRODUCT AT 3 RATES (16, 24 AND 48 OZ/A), EACH WITH A NONIONIC SURFACTANT AND WITH A CROP OIL CONCENTRATE, VS A COMMERCIAL STANDARD, ALL APPLIED IN 10-40 GPA AS A POSTEMERGENCE BROADCAST APPLIC WHEN BROADLEAF WEEDS ARE 2-4 INCHES TALL; EVALUATE CROP INJURY, WEED CONTROL AND CROP YIELD/GRADE

IR-4 Residue Trial Plan: 7-3 11/12-2

Comments: KEY EXPORT MARKETS INCLUDE INDIA, CHINA, EU, PERU, CHILE, MEXICO; BENTAZON IS REGISTERED ON DRY PEA, BUT THERE IS NO TOLERANCE FOR ACIFLUORFEN; SEE PR# 12751 (ACIFLUORFEN/DRY PEA) WHICH IS UNDER EVALUATION, AND 11510 (BENTAZON/DRY PEA); THIS REQUEST IS FOR THE DUAL AI PRODUCT STORM; MFG SUPPORTS, RESIDUE AND E/CS DATA NEEDED:08/19; PER EMAIL, MFG PREFERS THIS COMBO PRODUCT VS 12751 ACIFLUORFEN ALONE:09/23/19; AT FUW, COMBO PRODUCT GIVEN "A" PRIORITY, SO THIS REQUEST TO COVER PR# 12751:09/24/19; CANADIAN INTEREST FOR JOINT STUDY, USING NAFTA TRIAL SITES (7-4 11 14-3, 1 DECLINE TRIAL [IN CANADA]); US TRIAL SITES WERE: 7-3 11/12-2:10/19; CANADA CONFIRMED THIS WILL NOT BE A JOINT PROJECT, SO NEED TO USE U.S. TRIAL SITE REQUIREMENTS:10/23/19; EPA GREEN:12/19; CATEGORY WILL BE CHANGED TO RESIDUE DONE/ONGOING; E/CS DATA DONE/ONGOING ONCE THE RESIDUE PROTOCOL IS SIGNED:03/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-NDP01 Jenks, Dr. Brian

20-WAP04 Burke, Ian



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12576	-NONE	+	BATTS	FLUMIOXAZIN + PYROXASULFONE (KICHEM,VALENT)	TOMATO	TOMATO SUBGROUP (08-10A)

Reason for Need: WEEDS IN ROW MIDDLES; WOULD PROVIDE AN IMPROVED SPECTRUM OF WEED CONTROL OVER CURRENTLY REGISTERED PRODUCTS; PER NJ ME-TOO REQUEST, THIS USE WOULD ALLOW BETTER CONTROL OF INCREASINGLY TROUBLESOME WEEDS IN TOMATO ROW MIDDLES (COMMON PURSLANE) THAT ARE NOT WELL CONTROLLED WITH CURRENT PRODUCTS:09/19; PER CA ME-TOO REQUEST 08/20: STUDIES SUGGEST HIGH RATES OF CONTROL OF PIGWEED AND VELVETLEAF, BOTH PROBLEMS IN CA; AND THE MFG SUGGESTS IT FOR USE ON FIELD BINDWEED, AN EVEN MORE IMPORTANT WEED IN CA TOMATOES; PER AR ME-TOO REQUEST: NEEDED FOR PIGWEEDS, SEDGES, ETC.; PER NC ME-TOO REQUEST: THIS COMBO PRODUCT WOULD PROVIDE GREATER WEED CONTROL IN TOMATO ROW MIDDLES INCLUDING CONTROL OF COMMON AND PINK PURSLANE

Use Pattern: (PCR): USE THE FIERCE PRODUCT; MAKE 2 PRE APPLIC TO THE SOIL IN ROW MIDDLES, USING A SHIELDED APPLICATOR, 14 DAYS APART; NO RATE OR PHI SPECIFIED

E/CS Data Requirements:

E/CS Research Comments: 2020 PERFORMANCE PROTOCOL INCLUDES PEPPER (PR# 12577 - BELL & NONBELL): EACH TRIAL SITE WILL INCLUDE AT LEAST ONE VARIETY OF TOMATO AND ONE VARIETY OF PEPPER; USE THE FIERCE 76WDG PRODUCT; TEST 3 RATES OF FIERCE (3.0, 4.5 AND 6.0 OZ PRODUCT/A) VS A REGISTERED STANDARD AT A LABELED RATE; MAKE 2 POSTEMERGENCE APPLIC 30 DAYS APART, IN >5 GPA, AS BANDED SPRAYS TO ROW MIDDLES ONLY USING A HOODED/SHIELDED SPRAYER, WITH FIRST APPLIC WHEN WEEDS ARE 2-4 INCHES TALL; INCLUDE A NON-IONIC SURFACTANT AT 0.25% V/V OR CROP OIL CONCENTRATE AT 1 QT/A; EVALUATE CROP INJURY, WEED CONTROL AND CROP YIELD/FRUIT GRADES

IR-4 Residue Trial Plan: 1 2 3-2 5 10-11

Comments: TOLERANCE IS ESTABLISHED FOR FLUMIOXAZIN ON FRUITING VEGETABLES; NO KEY EXPORT MARKETS:07/18; VALENT AND KUMIAI SUPPORT, BUT KUMIAI REQUIRES PERFORMANCE DATA BEFORE APPROVAL FOR RESIDUE WORK:08/18;

NER-EPA Region-FRD

20-DEP02 VanGessel, M.
(incl research on pepper/P12577)
20-NJP04 Besancon, Thierry
(incl research on pepper/P12577)

NCR-EPA Region-FRD

SOR-EPA Region-FRD

20-FLP11 Boyd, Nathan
(incl research on pepper/P12577)

WSR-EPA Region-FRD

20-CAP15 Hanson, Brad
(incl research on pepper/P12577)

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12904	<u>LAB</u> 20-YAR03	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> HOMA	<u>CHEMICAL (MFG)</u> FLUTOLANIL (NAI)	<u>COMMODITY</u> TOMATO	<u>CROP GROUP</u> TOMATO SUBGROUP (08-10A)
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Reason for Need: FROM PR# 10593: SOUTHERN BLIGHT

Use Pattern: (PCR): FROM PR# 10593: 2 PT/A; DRENCH/DRIP APPLIC; 7-DAY RE-TREATMENT INTERVALS; 7-DAY PHI; FROM PR# 10593 RESIDUE PROTOCOL: USE THE CONVOY 40 SC PRODUCT (3.8 LB AI/GAL); MAKE 3 APPLIC OF 1.0 LB AI/A, INCLUDING A NON-IONIC OR SILICONE BASED SURFACTANT, OR A CROP OIL CONCENTRATE ADJUVANT AT A LABELED RATE; MAKE FIRST APPLIC VIA DRENCH APPLIC IN >50 GPA IN A BAND DIRECTED AT PLANT BASES JUST AFTER TRANSPLANTING OR APPLY >50 ML OF FUNGICIDE SOLUTION INTO THE TRANSPLANT HOLE JUST BEFORE TRANSPLANTING; SECOND APPLIC SHOULD BE MADE 28-35 DAYS AFTER FIRST APPLIC, AND THIRD APPLIC 7 DAYS BEFORE HARVEST; BOTH 2ND AND 3RD APPLIC ARE TO BE MADE EITHER THROUGH DRIP IRRIGATION OR AS A BANDED SPRAY (>50 GPA) DIRECTED AT PLANT BASES OR BY POURING AT LEAST 50 ML OF SOLUTION AROUND PLANT BASES; 7-DAY PHI

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 1 2 3-2 5 10-11, 2 DECLINE TRIALS, 1 PROCESSING TRIAL (PASTE, PUREE)

Comments: THIS NEW PR# WAS CREATED DUE TO A PRIOR RESIDUE STUDY CONDUCTED/CANCELED UNDER PR# 10593:10/19; EPA GREEN:12/19;

[NER-EPA Region-FRD](#)

[NCR-EPA Region-FRD](#)

[SOR-EPA Region-FRD](#)

[WSR-EPA Region-FRD](#)

[CANADA-EPA Region-FRD](#)



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS) (Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

20-MD217	Ross, Marylee	20-MI235	Zandstra, Dr. Bernard H.	20-FL163	Long, Michael	20-CA109	Kyser, Guy
(Large fruit)(fresh market)		(Large fruit)(fresh market)		(Small fruit)		(Large fruit)(fresh market)	
20-NJ275	Fisher, Jennifer			20-FL164	Thomas, Darrell	20-CA110	Kyser, Guy
(Small fruit)				(Large fruit)(fresh market)		(Processing type)(processing trial)	
				20-GA*173	Fraelich, Ben	20-CA111	Leach, Nathan
				(Small fruit)		(Processing type)(decline)	
				20-SC*369	Wade, Paul	20-CA112	Leach, Nathan
				(Large fruit)(fresh market)		(Small fruit)	
						20-CA113	Skiles, Keri
						(Small fruit)(Decline)	
						20-CA114	Skiles, Keri
						(Large fruit)(fresh market)	
						20-CA115	Skiles, Keri
						(Processing type)	
						20-CA116	Turner, B.(Turner Ag)
						(Small fruit)	
						20-CA117	Turner, B.(Turner Ag)
						(Processing type)	
						20-CA401	Ennes, D. (Kearney)
						(Processing type)	
						20-CA402	Turner, B.(Turner Ag)
						(Large fruit)(fresh market)	



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12287	19-CAR17	A	HOMA	FLUTIANIL (LANDIS,NAI,OATAGRIO)	TOMATO (GH)	TOMATO SUBGROUP (08-10A)

Reason for Need: POWDERY MILDEW

Use Pattern: (PCR): USE THE GATTEN PRODUCT; MAKE MORE THAN 1 FOLIAR APPLIC OF 0.03 LB AI/A, 7-10 DAY INTERVAL, 0-DAY PHI (MFG MAY WANT USE RATE TO BE 0.01 OR 0.02 LB AI/A, AND SUGGESTS MAX 2 APPLIC AND 1-DAY PHI:08/17)

E/CS Data Requirements: NEED E/CS DATA, ESPECIALLY AT THE LOWER RATES (CANADA HAS A 2019 TRIAL AND 1 PLANNED FOR 2020:10/19)

E/CS Research Comments: MFG HAS CONDUCTED A GH TOMATO EFFICACY STUDY:07/17; PER IR-4 2019 PERFORMANCE PROTOCOL: TESTING GATTEN 5%EC AT 0.02, 0.03 (WITH AND WITHOUT ADJUVANT) AND 0.04 LB AI/A VS THE STANDARD FONTELIS (PENTHIOPYRAD), 3-5 FOLIAR APPLIC AT 7-14 DAY INTERVALS, WITH 1ST APPLIC 2 DAYS BEFORE INOCULATION, 30-100 GPA; EVALUATE INCIDENCE AND SEVERITY OF POWDERY MILDEW WEEKLY, AND ASSESS CROP SAFETY (TWO TIMES DURING TRIAL CONDUCT AND ONCE AT THE CONCLUSION)

IR-4 Residue Trial Plan: ANY 4 TRIALS (2 SMALL FRUIT & 2 LARGE FRUIT); 1 DECLINE (SMALL FRUIT)

Comments: CANADA IS A KEY EXPORT MARKET; MFG MAY PROVIDE ANALYSIS OF RESIDUE SAMPLES; ALONG WITH GH PEPPER PR#12289 CAN COVER TOLERANCE FOR GH EGGPLANT PR# 12288:07/17; EPA GREEN:09/18; POTENTIAL JOINT STUDY WITH CANADA PMC:10/18; CANADA HAS 2019 AND 2020 PERFORMACE TRIALS, 1 EACH YEAR:10/19

NER-EPA Region-FRD

20-MD08 Ross, Marylee
(repl ft - no add'l \$ needed)

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12792	20-STR13	A	LENNON	XDE-659 (CORTEVA)	TOMATO (GH)	TOMATO SUBGROUP (08-10A)

Reason for Need: BOTRYTIS, POWDERY MILDEW, EARLY BLIGHT, SEPTORIA, ALTERNARIA, SCLEROTINIA, FUSARIUM (SUPPRESSION); PER CO, ME, OH AND MI ME-TOO REQUESTS, BOTRYTIS IS A BIG PROBLEM IN TOMATOES; PER NY ME-TOO REQUEST, PESTICIDE ALSO NEEDED FOR POWDERY MILDEW, LEAF MOLD AND SCLEROTINIA TIMBER ROT; ALL 4 DISEASES ARE MAJOR PROBLEMS IN HIGH TUNNELS IN THE NORTHEAST; PER KY ME-TOO REQUEST, BOTRYTIS AND LEAF MOLD ARE CRITICAL GH PROBLEMS, AND ONLY GH-LABELED CHEMICALS MAY BE USED IN HIGH TUNNELS IN KY; SO, THE NEED FOR NEW MODES OF ACTION IS DIRE; PER MI ME-TOO REQUEST, THIS USE IS IMPORTANT FOR TOMATO PRODUCTION, AND FOR TRANSPLANTS DESTINED FOR THE RETAIL MARKET

Use Pattern: (PCR): USE 0.09-0.13 LB A/A; MAKE UP TO 3 FOLIAR APPLIC PER CROP, MAX 5 PER YR, MINIMUM 30 GPA, 10-14 DAY INTERVAL, 0-1 DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS OF POWDERY MILDEW APPEAR; APPLY WITH AN NIS OR NIS BLEND ADJUVANT, BUT NOT WITH ADDITIVES CONTAINING LATEXES; DO NOT APPLY BY CHEMIGATION

E/CS Data Requirements:

E/CS Research Comments: PMC/CANADA IS CONDUCTING 2 GH EFF TRIALS IN 2020, TARGETING POWDERY MILDEWS:12/19

IR-4 Residue Trial Plan: ANY 4 TRIALS (2 LARGE-FRUITED, 2 SMALL-FRUITED), 1 DECLINE TRIAL (1 OF THE 2 SMALL-FRUITED TRIALS)

Comments: CANADA NOTED AS A KEY EXPORT MARKET:07/19; MFG SUPPORTS THIS GH USE, RESIDUE AND E/CS, AND MAY ASSIST WITH ANALYTICAL WORK; THE USE PATTERN NEEDS TO ALSO INCLUDE "NO MORE THAN 1/3 OF TOTAL FUNGICIDE SPRAYS":08/19; MFG CONFIRMED ONLY RESIDUE DATA NEEDED; MFG IS DOING FIELD RESIDUES, AND THEY HAVE E/CS DATA FROM FIELD AND GH:09/17/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES SIMPLY ANY 4 TRIALS AND 1 DECLINE TRIAL (WILL KEEP US TRIAL SITE DETAILS):10/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-WI439 Chapman, Scott
(large)

20-FL149 Thomas, Darrell
(Small fruited, decline)

20-CA65 Ennes, D. (Kearney)
(Small fruited)

20-ON313 Riddle, Geoff
(small)

20-ON314 Henricks, Mary
(large)



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12634	20-MIR03	A	JOLLY	SULFOSULFURON (VALENT)	TOMATO (PROCESSING)	TOMATO SUBGROUP (08-10A)

Reason for Need: BRANCHED BROOMRAPE (OROBANCHE RAMOSA); OROBANCHE IS AN EMERGING INVASIVE PEST TO CALIFORNIA; MANAGEMENT AND CONTROL PROGRAMS IN OTHER COUNTRIES HAVE EVALUATED MANY CONTROL OPTIONS AND COME TO THE CONCLUSION THAT SULFOSULFURON IS AN EFFECTIVE TOOL FOR THIS PEST; IN THE CASE THAT LONG TERM MANAGEMENT IS NEEDED, A REVIEW AND QUICKER ACCESS TO THIS TOOL WILL BE CRUCIAL

Use Pattern: (PCR): USE THE OUTRIDER PRODUCT; MAKE 3 FOLIAR APPLIC OF 37.5 G AI/HA, 14-DAY INTERVAL, 90-DAY PHI; ALL APPLIC SHOULD BE FOLLOWED BY OVERHEAD IRRIGATION FOR INCORPORATION, USING SUFFICIENT WATER TO WET THE ROOT ZONE (~0.5-1.0 INCHES, DEPENDING ON SOIL TYPE AND SOIL CONDITIONS)

E/CS Data Requirements: NEEDED FOR CA

E/CS Research Comments:

IR-4 Residue Trial Plan: 1 2 3-2 5 10-7, A 3X RATE PROCESSING TRIAL (PASTE, PUREE)

Comments: KEY EXPORT MARKETS INCLUDE MEXICO, CANADA, JAPAN, EUROPE:09/18; WAS A BAYER PRODUCT, BUT PER BAYER, WAS SOLD TO VALENT:07/19; VALENT INDICATED SUPPORT FOR THIS USE, AND THE ORIGINAL PCR WAS SENT FOR VALENT OFFICIAL RESPONSE; VALENT SUPPORTS THIS USE, WITH PERFORMANCE DATA GENERATED CONCURRENTLY WITH RESIDUE RESEARCH:08/19; EPA GREEN:09/19

NER-EPA Region-FRD

20-MD211 Ross, Marylee
(reg 2)
20-NJ263 Fisher, Jennifer

NCR-EPA Region-FRD

20-MI224 Zandstra, Dr. Bernard H.

SOR-EPA Region-FRD

20-FL139 Long, Michael
20-FL140 Thomas, Darrell

WSR-EPA Region-FRD

20-CA38 Leach, Nathan
(Large fruit)(fresh market)
20-CA36 Kyser, Guy
(Large fruit)(fresh market)
20-CA37 Kyser, Guy
(Processing type)
20-CA39 Leach, Nathan
(processing type)
20-CA40 Skiles, Keri
(Processing type)(processing trial)
20-CA41 Turner, B.(Turner Ag)
(Large fruit)(fresh market)
20-CA42 Turner, B.(Turner Ag)
(Processing type)
20-CA400 Ennes, D. (Kearney)

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P11790	-NONE	A	PIKE	CYFLUMETOFEN (BASF)	PEPPER (BELL & NONBELL)	PEPPER/NON-BELL PEPPER/EGGPLANT SUBGROUPS (08-10BC)

Reason for Need: SPIDER MITES (TETRANYCHUS SPP.)

Use Pattern: (PCR): USE THE NEALTA PRODUCT; MAKE 2 FOLIAR APPLIC OF 13.7 OZ/A, MINIMUM 14-DAY INTERVAL

E/CS Data Requirements: MFG REQUESTS E/CS TESTING TO MEET CERTAIN STANDARDS (I.E., EXAGGERATED RATES TO EVALUATE CROP SAFETY, CONSECUTIVE YEARS TESTING, VARIETY SCREENINGS, ETC.) TO SUPPORT COMMERCIALIZATION OF THE USE; DEVELOP SUFFICIENT DATA TO SUPPORT REGISTRATION IN CA:08/15; MFG REQUIRES 2 EFFICACY TRIALS (SUGGESTS CA & FL) AND 3 CROP SAFETY TRIALS (SUGGESTS 2 IN CA, PLUS FL):07/16

E/CS Research Comments: 2019 PERFORMANCE PROTOCOL INCLUDES 1X & 2X RATES OF CYFLUMETOFEN (13.7 & 27.4 FL OZ/A OF NEALTA) COMPARED WITH THE 1X RATE+ORGANOSILICONE ADJUVANT AND THE 1X RATE+NIS ADJUVANT (BOTH TREATMENTS MADE WITH 2 PASSES TO SIMULATE A DOUBLE APPLC), WITH NO MORE THAN TWO APPLIC, MINIMUM 50 GPA AND A 14-DAY INTERVAL, MADE WHEN MITES REACH A TREATMENT THRESHOLD; COLLECTING CROP INJURY AND CROP YIELD/QUALITY (NO PEST CONTROL DATA NEEDED); IN THE 2020 PERFORMANCE PROTOCOL: TESTING SAME USE PATTERN AND COLLECTING SIMILAR DATA

IR-4 Residue Trial Plan: BELL: 2-2 3-2 5 6 10-2 (1 DECLINE); NON-BELL: 2/3/5 8 9 10 (1 DECLINE)

Comments: TOMATO IS REGISTERED; NO PHI SPECIFIED, BUT SUGGEST 3-DAY TO MATCH TOMATO:08/15; RETURNED TO UNDER EVALUATION:10/15; MFG TO REASSESS E/CS DATA NEEDS AND CONFIRM HOW IR-4 CAN PROCEED:05/16; MFG MADE RESEARCHABLE AGAIN, WITH SPECIFIC REQUIREMENTS FOR PERFORMANCE RESEARCH (SEE E/CS DATA REQUIREMENTS), WHICH MFG WILL PARTIALLY FUND:07/16; EPA GREEN:09/18

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-CAP17 Mauk, Peggy A
(repeat of 19-CAP12, no add'l \$ needed)
20-CAP18 Mauk, Peggy A
(repeat of 19-CAP13, no add'l \$ needed)



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
11195	20-FLR11	A	HOMA	FLUTOLANIL (NAI)	PEPPER (BELL & NONBELL)	PEPPER/NON-BELL PEPPER/EGGPLANT SUBGROUPS (08-10BC)

Reason for Need: SOUTHERN BLIGHT (SCLEROTIUM ROLFII)

Use Pattern: (PCR): APPLY 1.0-3.8 LB AI/AAS SOIL DRENCH OR SPRAY, 28-DAY INTERVAL, 7-DAY PHI; MAKE FIRST APPLIC AS POST-TRANSPLANT BANDED SOIL DRENCH OR IN THE TRANSPLANT HOLE; SUBSEQUENT APPLIC TO BE MADE VIA DRIP IRRIGATION OR BANDED SPRAY AT PLANT BASES

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 2-2 3-2 5 6 10-2, 1 DECLINE TRIAL

Comments: MFG HOLD:06/15; MFG CHANGED STATUS TO RESEARCHABLE; WAS A PRIORITY B BEFORE MFG PUT REQUEST ON HOLD:07/19; EPA GREEN:12/19; ORIG REQUEST SUBMITTED FOR PEPPER (BELL), AND ADD'L NEW PCR RECEIVED FOR PEPPER (NON-BELL) PR# 12937. COMMODITY FOR PR# 11195 THEN CHANGED TO PEPPER (BELL & NONBELL) TO COVER BOTH PR#s AND THIS ONE PROTOCOL WRITTEN TO COVER BOTH BELL & NONBELL:02/20

NER-EPA Region-FRD

20-NJ259 Freiburger, Tom
(Bell)

NCR-EPA Region-FRD

20-MI219 Zandstra, Dr. Bernard H.
(Bell)

SOR-EPA Region-FRD

20-NC242 Batts, Roger B.
(Bell)
20-SC*363 Wade, Paul
(Bell)
20-TX387 Marconi, Cristina
(Non-bell)
20-FL130 Long, Michael
(Bell)
20-FL131 Thomas, Darrell
(Non-bell)(Decline)
20-GA*166 Fraelich, Ben
(Bell)

WSR-EPA Region-FRD

20-CA32 Leach, Nathan
(Non-bell)
20-CA*33 Benzen, Ms. Sharon D.
(Bell)

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12794	<u>LAB</u> 20-STR10	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> LENNON	<u>CHEMICAL (MFG)</u> XDE-659 (CORTEVA)	<u>COMMODITY</u> PEPPER (GH)	<u>CROP GROUP</u> PEPPER/NON-BELL PEPPER/EGGPLANT SUBGROUPS (08-10BC)
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Reason for Need: BOTRYTIS, POWDERY MILDEW, EARLY BLIGHT, SEPTORIA, ALTERNARIA, SCLEROTINIA, FUSARIUM (SUPPRESSION); PER OH, CO, ME AND MI ME-TOO REQUESTS, BOTRYTIS CAUSES SIGNIFICANT LOSSES

Use Pattern: (PCR): USE 0.09-0.13 LB AI/A; MAKE UP TO 3 FOLIAR APPLIC PER CROP, MAX 5 PER YR, MINIMUM 30 GPA, 10-14 DAY INTERVAL, 0-1 DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS OF POWDERY MILDEW APPEAR; APPLY WITH AN NIS OR NIS BLEND ADJUVANT, BUT NOT WITH ADDITIVES CONTAINING LATEXES; DO NOT APPLY BY CHEMIGATION

E/CS Data Requirements: NEED GH EFF. DATA:09/17/19; PMC/CANADA IS DOING 2 GH EFF TRIALS IN 2020, TARGETING POWDERY MILDEWS:12/19

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4 TRIALS (2 LARGE-FRUITED, 2 SMALL-FRUITED), 1 DECLINE TRIAL (1 OF THE 2 SMALL-FRUITED TRIALS)

Comments: CANADA NOTED AS A KEY EXPORT MARKET:07/19; MFG SUPPORTS THIS GH USE, RESIDUE AND E/CS, AND MAY ASSIST WITH ANALYTICAL WORK; THE USE PATTERN NEEDS TO ALSO INCLUDE "NO MORE THAN 1/3 OF TOTAL FUNGICIDE SPRAYS":08/19; MFG IS DOING FIELD RESIDUES; FOR GH PEPPERS NEED EFFICACY DATA:09/17/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES SIMPLY ANY 4 TRIALS AND 1 DECLINE TRIAL (WILL KEEP US TRIAL SITE DETAILS):10/19;

NER-EPA Region-FRD

20-MD214 Ross, Marylee
(Large fruited)

NCR-EPA Region-FRD

SOR-EPA Region-FRD

20-FL151 Long, Michael
(Small fruited, decline)

WSR-EPA Region-FRD

20-CA67 Ennes, D. (Kearney)
(Large fruited)

CANADA-EPA Region-FRD

20-BC10 Clodius, Markus
(large)

20-ON316 Riddle, Geoff
(small)



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P12794	<u>LAB</u> -NONE	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> HOMA	<u>CHEMICAL (MFG)</u> XDE-659 (CORTEVA)	<u>COMMODITY</u> PEPPER (GH)	<u>CROP GROUP</u> PEPPER/NON-BELL PEPPER/EGGPLANT SUBGROUPS (08-10BC)
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Reason for Need: BOTRYTIS, POWDERY MILDEW, EARLY BLIGHT, SEPTORIA, ALTERNARIA, SCLEROTINIA, FUSARIUM (SUPPRESSION); PER OH, CO, ME AND MI ME-TOO REQUESTS, BOTRYTIS CAUSES SIGNIFICANT LOSSES

Use Pattern: (PCR): USE 0.09-0.13 LB AI/A; MAKE UP TO 3 FOLIAR APPLIC PER CROP, MAX 5 PER YR, MINIMUM 30 GPA, 10-14 DAY INTERVAL, 0-1 DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS OF POWDERY MILDEW APPEAR; APPLY WITH AN NIS OR NIS BLEND ADJUVANT, BUT NOT WITH ADDITIVES CONTAINING LATEXES; DO NOT APPLY BY CHEMIGATION

E/CS Data Requirements: NEED GH EFF. DATA:09/17/19; PMC/CANADA IS DOING 2 GH EFF TRIALS IN 2020, TARGETING POWDERY MILDEWS:12/19

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4 TRIALS (2 LARGE-FRUITED, 2 SMALL-FRUITED), 1 DECLINE TRIAL (1 OF THE 2 SMALL-FRUITED TRIALS)

Comments: CANADA NOTED AS A KEY EXPORT MARKET:07/19; MFG SUPPORTS THIS GH USE, RESIDUE AND E/CS, AND MAY ASSIST WITH ANALYTICAL WORK; THE USE PATTERN NEEDS TO ALSO INCLUDE "NO MORE THAN 1/3 OF TOTAL FUNGICIDE SPRAYS":08/19; MFG IS DOING FIELD RESIDUES; FOR GH PEPPERS NEED EFFICACY DATA:09/17/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES SIMPLY ANY 4 TRIALS AND 1 DECLINE TRIAL (WILL KEEP US TRIAL SITE DETAILS):10/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-AZP02 Poudel, Dr. Bindu



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 10697	<u>LAB</u> 20-YAR04	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> JOLLY	<u>CHEMICAL (MFG)</u> UNICONAZOLE-P (VALENT)	<u>COMMODITY</u> CUCURBIT VEGETABLES (TRANSPLANTS)(GH)	<u>CROP GROUP</u> CUCURBIT VEGETABLES GROUP (09)
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Reason for Need: CONTROL STEM ELONGATION BY BLOCKING GA SYNTHESIS PRODUCING MORE COMPACT PLANTS; PER GA AND CA AND IN ME-TOO REQUESTS: NEED SUMAGIC TO CONTROL STRETCH ON ALL CUCURBIT TRANSPLANTS (GRAFTED AND NON-GRAFTED)

Use Pattern: (PCR): 1-10 PPM; FOLIAR SPRAY OR SUBSTRATE DRENCH; 1-3 APPLIC; 7-DAY RE-TREATMENT INTERVAL; SEEDLINGS ARE SPRAYED BEFORE TRANSPLANT TO THE FIELD OR SHIPMENT TO A RETAIL OUTLET; FROM NC ME-TOO REQUEST: RATES OF 0.25-1.0 PPM AS A SINGLE APPLIC OR MULTIPLE APPLIC AT 2-7 DAY INTERVALS OVER THE COURSE OF TRANSPLANT PRODUCTION TOTALING AS MUCH AS 5-6 PPM OF SUMAGIC HAVE BEEN EFFECTIVE AT CONTROLLING STRETCH IN GRAFTED CUCURBITS, MORE SO THAN SINGLE APPLIC AT RATES HIGHER THAN 1 PPM

E/CS Data Requirements: NO E/CS TRIALS PLANNED IN 2020; NEED TO REVISIT E/CS RESEARCH NEEDS IN 2021

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4 SQUASH, ANY 4 CANTELOUPE, ANY 4 CUCUMBER TRIALS (ALL APPLIC ARE IN GH, THEN TAKEN TO HARVEST IN FIELD)

Comments: THIS ORIGINAL REQUEST WAS FOR CUCURBIT VEGETABLE TRANSPLANTS IN THE GH:08/10; MFG APPROVAL AT 2010 WORKSHOP; REQUEST IS INTENDED FOR CUCURBIT CROP TRANSPLANTS ONLY:09/10; EPA GREEN:09/18; MFG CONFIRMED THE NEED FOR EFFICACY DATA (ESPECIALLY FOR CA) AS WELL AS RESIDUE DATA, FOR THE WHOLE CUCURBIT GROUP; MFG ALSO CONFIRMED THE USE PATTERN ON GH CUCURBITS NEEDS TO BE CONSISTENT WITH CURRENT REGISTERED USE PATTERN ON FRUITING VEGETABLES:08/19; EPA GREEN:09/19; AT FUW, DECISION WAS MADE TO COVER THE CROP GROUP WITH THIS REQUEST, AND THE PLAN IS TO PREPARE A PROPOSAL TO CHEMSAC (AND HAVE CHEMSAC APPROVAL) FOR A REDUCED DATA SET FROM TRIALS ON ALL 3 REP CROPS (EXPECTING NO RESIDUES) THAT WILL COVER ALL CUCURBIT TRANSPLANTS:09/24/19; CATEGORY CHANGED FROM RESEARCHABLE, RESIDUE & E/CS DATA NEEDED TO COMPLETE WITH ONGOING TRIALS:03/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

20-MD207	Ross, Marylee	20-WI431	Chapman, Scott	20-FL128	Thomas, Darrell	20-CA28	Leach, Nathan
(squash)		(cucumber-slicing)		(Squash)		(Cantaloupe)	
20-MD208	Ross, Marylee			20-FL129	Long, Michael	20-CA29	Leach, Nathan
(Cucumber-pickling)				(Cucumber-pickling)		(Squash)	
20-MD209	Ross, Marylee			20-NC240	Batts, Roger B.		
(Cantaloupe)				(Squash)			
				20-NC241	Batts, Roger B.		
				(Cucumber-slicing)			
				20-SC*362	Wade, Paul		
				(cantaloupe)			
				20-TX383	Marconi, Cristina		
				(Squash)(to be replaced with 20-TX462)(r			
				20-TX384	Marconi, Cristina		
				(Cantaloupe)			
				20-TX385	Marconi, Cristina		
				(Cantaloupe)			
				20-TX386	Marconi, Cristina		
				(Cucumber-slicing)			
				20-TX462	Marconi, Cristina		



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P11787	<u>LAB</u> -NONE	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> PIKE	<u>CHEMICAL (MFG)</u> CYFLUMETOFEN (BASF)	<u>COMMODITY</u> CANTALOUPE	<u>CROP GROUP</u> MELON SUBGROUP (09A)
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Reason for Need: TWO-SPOTTED SPIDER MITE, SOUTHERN RED MITE

Use Pattern: (PCR): MAKE 2 FOLIAR APPLIC OF 13.7 FL OZ/A OF CYFLUMETOFEN, 10-14 DAY INTERVAL, NO PHI SPECIFIED

E/CS Data Requirements: MFG REQUESTS E/CS TESTING TO MEET CERTAIN STANDARDS (I.E., EXAGGERATED RATES TO EVALUATE CROP SAFETY, CONSECUTIVE YEARS TESTING, VARIETY SCREENINGS, ETC.) TO SUPPORT COMMERCIALIZATION OF THE USE; DEVELOP SUFFICIENT DATA TO SUPPORT REGISTRATION IN CA:08/15; MFG REQUIRES 3 EFFICACY TRIALS (SUGGESTS 2 IN CA, PLUS AZ) AND 3 CROP SAFETY TRIALS (SUGGESTS 2 IN CA, PLUS AZ):07/16

E/CS Research Comments: 2019 PERFORMANCE PROTOCOL INCLUDES 1X & 2X RATES OF CYFLUMETOFEN (13.7 & 27.4 FL OZ/A OF NEALTA) COMPARED WITH THE 1X RATE+ORGANOSILICONE ADJUVANT AND THE 1X RATE+NIS ADJUVANT (BOTH TREATMENTS MADE WITH 2 PASSES TO SIMULATE A DOUBLE APPLIC), WITH NO MORE THAN TWO APPLIC, MINIMUM 50 GPA AND A 14-DAY INTERVAL, MADE WHEN MITES REACH A TREATMENT THRESHOLD; COLLECTING CROP INJURY AND CROP YIELD/QUALITY (NO PEST CONTROL DATA NEEDED); IN THE 2020 PERFORMANCE PROTOCOL: TESTING SAME USE PATTERN AND COLLECTING SIMILAR DATA

IR-4 Residue Trial Plan: USE NAFTA GUIDANCE: 2 5-2 6 10-4; 1 DECLINE; (EPA GUIDANCE: 2 5 6-2 10-4; 1 DECLINE)

Comments: SUGGEST 3-DAY PHI:08/15; WAS GIVEN AN "A" PRIORITY AT 2015 FUW, BUT AFTERWARDS (10/15) WAS RETURNED TO "UNDER EVAL" UNTIL MFG REASSESSES E/CS DATA NEEDS AND CONFIRMS HOW IR-4 CAN PROCEED:05/16; MFG MADE RESEARCHABLE AGAIN, WITH SPECIFIC REQUIREMENTS FOR PERFORMANCE RESEARCH (SEE E/CS DATA REQUIREMENTS), WHICH MFG WILL PARTIALLY FUND:07/16; EPA GREEN:09/18; POTENTIAL JOINT STUDY WITH CANADA PMC:10/18

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-CAP19 Mauk, Peggy A
(repl of 19-CAP15 - no add'l \$ needed)
20-AZP01 Poudel, Dr. Bindu



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P11786	<u>LAB</u> -NONE	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> PIKE	<u>CHEMICAL (MFG)</u> CYFLUMETOFEN (BASF)	<u>COMMODITY</u> CUCUMBER	<u>CROP GROUP</u> SQUASH/CUCUMBER SUBGROUP (09B)
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Reason for Need: TWO-SPOTTED SPIDER MITE, SOUTHERN RED MITE

Use Pattern: (PCR): MAKE 2 FOLIAR APPLIC OF 13.7 FL OZ/A OF CYFLUMETOFEN, 10-14 DAY INTERVAL, NO PHI SPECIFIED

E/CS Data Requirements: MFG REQUESTS E/CS TESTING TO MEET CERTAIN STANDARDS (I.E., EXAGGERATED RATES TO EVALUATE CROP SAFETY, CONSECUTIVE YEARS TESTING, VARIETY SCREENINGS, ETC.) TO SUPPORT COMMERCIALIZATION OF THE USE; DEVELOP SUFFICIENT DATA TO SUPPORT REGISTRATION IN CA:08/15; MFG REQUIRES 2 EFFICACY TRIALS (SUGGESTS CA & FL) AND 4 CROP SAFETY TRIALS (SUGGESTS 2 IN CA, PLUS FL & DE), CONDUCTED ON EITHER CUCUMBER OR SUMMER SQUASH (PR# 11788):07/16

E/CS Research Comments: 2019 PERFORMANCE PROTOCOL INCLUDES 1X & 2X RATES OF CYFLUMETOFEN (13.7 & 27.4 FL OZ/A OF NEALTA) COMPARED WITH THE 1X RATE+ORGANOSILICONE ADJUVANT AND THE 1X RATE+NIS ADJUVANT (BOTH TREATMENTS MADE WITH 2 PASSES TO SIMULATE A DOUBLE APPLIC), WITH NO MORE THAN TWO APPLIC, MINIMUM 50 GPA AND A 14-DAY INTERVAL, MADE WHEN MITES REACH A TREATMENT THRESHOLD; COLLECTING CROP INJURY AND CROP YIELD/QUALITY (NO PEST CONTROL DATA NEEDED); IN THE 2020 PERFORMANCE PROTOCOL: TESTING SAME USE PATTERN AND COLLECTING SIMILAR DATA

IR-4 Residue Trial Plan: USE NAFTA GUIDANCE: 2-3 3 5-3 10; 4 SLICING & 4 PICKLING; 1 DECLINE; (EPA GUIDANCE 2-3 3 5-2 6 10; 4 SLICING & 4 PICKLING; 1 DECLINE)

Comments: SUGGEST 3-DAY PHI:08/15; WAS GIVEN AN "A" PRIORITY AT 2015 FUW, BUT AFTERWARDS (10/15) WAS RETURNED TO "UNDER EVAL" UNTIL MFG REASSESSES E/CS DATA NEEDS AND CONFIRMS HOW IR-4 CAN PROCEED:05/16; MFG MADE RESEARCHABLE AGAIN, WITH SPECIFIC REQUIREMENTS FOR PERFORMANCE RESEARCH (SEE E/CS DATA REQUIREMENTS), WHICH MFG WILL PARTIALLY FUND:07/16; EPA GREEN:09/18; POTENTIAL JOINT STUDY WITH CANADA PMC:10/18

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-CAP20 Mauk, Peggy A
(repl for 19-CAP17 - no add'l \$ needed)



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12793	<u>LAB</u> 20-STR05	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> LENNON	<u>CHEMICAL (MFG)</u> XDE-659 (CORTEVA)	<u>COMMODITY</u> CUCUMBER (GH)	<u>CROP GROUP</u> SQUASH/CUCUMBER SUBGROUP (09B)
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Reason for Need: GUMMY STEM BLIGHT (GSB), BOTRYTIS, POWDERY MILDEW, EARLY BLIGHT, SEPTORIA, ALTERNARIA, SCLEROTINIA, FUSARIUM (SUPPRESSION); ; PER OH AND MI ME-TOO REQUESTS, GSB CAUSES CROP LOSS

Use Pattern: (PCR): USE 0.09-0.13 LB AI/A; MAKE UP TO 3 FOLIAR APPLIC PER CROP, MAX 5 PER YR, MINIMUM 30 GPA, 10-14 DAY INTERVAL, 0-1 DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS OF POWDERY MILDEW APPEAR; APPLY WITH AN NIS OR NIS BLEND ADJUVANT, BUT NOT WITH ADDITIVES CONTAINING LATEXES; DO NOT APPLY BY CHEMIGATION

E/CS Data Requirements:

E/CS Research Comments: PMC/CANADA IS CONDUCTING 2 GH EFF TRIALS IN 2020, TARGETING POWDERY MILDEWS:12/19

IR-4 Residue Trial Plan: ANY 4 TRIALS (2 SMALL-FRUITED, 2 ENGLISH TYPE), 1 DECLINE (1 OF THE 2 SMALL-FRUITED TRIALS). DECLINE 20-TX391 TO BE REASSIGNED:07/20

Comments: CANADA NOTED AS A KEY EXPORT MARKET:07/19; MFG SUPPORTS THIS GH USE, RESIDUE AND E/CS, AND MAY ASSIST WITH ANALYTICAL WORK; THE USE PATTERN NEEDS TO ALSO INCLUDE "NO MORE THAN 1/3 OF TOTAL FUNGICIDE SPRAYS":08/19; MFG CONFIRMED ONLY RESIDUE DATA NEEDED; MFG IS DOING FIELD RESIDUES, AND THEY HAVE E/CS DATA UNDER GLASS:09/17/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES SIMPLY ANY 4 TRIALS AND 1 DECLINE TRIAL (WILL KEEP US TRIAL SITE DETAILS):10/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-FL150 Long, Michael
(small)
20-TX391 Marconi, Cristina
(small fruited))(decline removed & will be i

20-CA66 Ennes, D. (Kearney)
(Small fruited)

20-BC09 Nield, David
(English)
20-ON315 Henricks, Mary
(English)



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P11788	<u>LAB</u> -NONE	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> PIKE	<u>CHEMICAL (MFG)</u> CYFLUMETOFEN (BASF)	<u>COMMODITY</u> SQUASH (SUMMER)	<u>CROP GROUP</u> SQUASH/CUCUMBER SUBGROUP (09B)
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Reason for Need: TWO-SPOTTED SPIDER MITE, SOUTHERN RED MITE

Use Pattern: (PCR): MAKE 2 FOLIAR APPLIC OF 13.7 FL OZ/A OF CYFLUMETOFEN, 10-14 DAY INTERVAL, NO PHI SPECIFIED

E/CS Data Requirements: MFG REQUESTS E/CS TESTING TO MEET CERTAIN STANDARDS (I.E., EXAGGERATED RATES TO EVALUATE CROP SAFETY, CONSECUTIVE YEARS TESTING, VARIETY SCREENINGS, ETC.) TO SUPPORT COMMERCIALIZATION OF THE USE; DEVELOP SUFFICIENT DATA TO SUPPORT REGISTRATION IN CA:08/15; MFG REQUIRES 2 EFFICACY TRIALS (SUGGESTS CA & FL) AND 4 CROP SAFETY TRIALS (SUGGESTS 2 IN CA, PLUS FL & DE), CONDUCTED ON EITHER SUMMER SQUASH OR CUCUMBER (PR# 11786):07/16

E/CS Research Comments: 2019 PERFORMANCE PROTOCOL INCLUDES 1X & 2X RATES OF CYFLUMETOFEN (13.7 & 27.4 FL OZ/A OF NEALTA) COMPARED WITH THE 1X RATE+ORGANOSILICONE ADJUVANT AND THE 1X RATE+NIS ADJUVANT (BOTH TREATMENTS MADE WITH 2 PASSES TO SIMULATE A DOUBLE APPLIC), WITH NO MORE THAN TWO APPLIC, MINIMUM 50 GPA AND A 14-DAY INTERVAL, MADE WHEN MITES REACH A TREATMENT THRESHOLD; COLLECTING CROP INJURY AND CROP YIELD/QUALITY (NO PEST CONTROL DATA NEEDED); IN THE 2020 PERFORMANCE PROTOCOL: TESTING SAME USE PATTERN AND COLLECTING SIMILAR DATA

IR-4 Residue Trial Plan: USE NAFTA GUIDANCE: 1 2-2 3 5-2 10 12, 1 DECLINE; (EPA GUIDANCE: 1 2-2 3 5 6 10 11, 1 DECLINE)

Comments: SUGGEST 3-DAY PHI:08/15; WAS GIVEN AN "A" PRIORITY AT 2015 FUW, BUT AFTERWARDS (10/15) WAS RETURNED TO "UNDER EVAL" UNTIL MFG REASSESSES E/CS DATA NEEDS AND CONFIRMS HOW IR-4 CAN PROCEED:05/16; MFG MADE RESEARCHABLE AGAIN, WITH SPECIFIC REQUIREMENTS FOR PERFORMANCE RESEARCH (SEE E/CS DATA REQUIREMENTS), WHICH MFG WILL PARTIALLY FUND:07/16; EPA GREEN:09/18; ADDED TO 2019 RESEARCH PLAN VIA AN ACCEPTED NER REGIONAL UPGRADE (COMPLETES THE CROP GROUP):10/18

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-CAP16 Mauk, Peggy A
(repeat of 19-CAP28 - no add'l \$ needed)



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12754	<u>LAB</u> 20-CAR01	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> SAMOIL	<u>CHEMICAL (MFG)</u> ETHEPHON (ADAMA,ARYSTA,BAYER)	<u>COMMODITY</u> ORANGE	<u>CROP GROUP</u> ORANGE SUBGROUP (10-10A)
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Reason for Need: FRESH MARKET CITRUS PEEL COLOR; TO OBTAIN BETTER PEEL COLOR FOR FRESH MARKET CITRUS VARIETIES

Use Pattern: (PCR): USE THE ETHEPHON 2 PLANT REGULATOR PRODUCT; MAKE 1 FOLIAR APPLIC OF 300 PPM SOLUTION (BY GROUND ONLY); APPLY AT 7-10 DAYS BEFORE EXPECTED NORMAL HARVEST, USING THOROUGH COVERAGE; 7-DAY PHI

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 3-6 (IN 2020), 3-6 (IN 2021); 1 DECLINE TRIAL EACH YR; 1 PROCESSING TRIAL IN 2020 (OIL, JUICE, DRIED PULP)

Comments: KEY EXPORT MARKETS INDICATED AS EU, CANADA, FAR EAST COUNTRIES; THERE IS A 0.05 PPM MRL IN THE EU, AND A 1 PPM MRL IN CANADA; PCR WAS SPECIFICALLY FOR "FRESH CITRUS IN THE CITRUS CROP GROUP 10-10"; IT WAS REQUESTED THAT NEW PR#s ALSO BE CREATED FOR LEMONS/12755 AND GRAPEFRUIT/12756; MFG (UPL, FORMER ARYSTA) INDICATED SUPPORT, AND THAT THEY MAY PROVIDE SOME FINANCIAL SUPPORT TO HELP OFFSET COSTS:06/19; EPA HOLD OF 08/19 CHANGED TO EPA CAUTION:09/19; TARGET IS A REGIONAL TOLERANCE, WITH RESIDUE DATA TO COME FROM 2020 AND 2021 TRIALS:10/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-FL141	Thomas, Darrell
(2020)	
20-FL142	Long, Michael
(2020)	
20-FL143	Frost, Michael
(2020)	
20-FL144	Frost, Michael
(2020)	
20-FL145	Frost, Michael
(2020)(decline)	
20-FL146	Frost, Michael
(2020)(processing)	



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12994	<u>LAB</u> 20-TBD	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> LENNON	<u>CHEMICAL (MFG)</u> CYPROCONAZOLE (SYNGEN)	<u>COMMODITY</u> ORANGE (POST HARVEST)	<u>CROP GROUP</u> ORANGE SUBGROUP (10-10A)
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Reason for Need: POSTHARVEST GREEN AND BLUE MOLD (PENICILLIUM SPP.) AND SOUR ROT (GEOTRICHUM CITRI-AURANTII); NEEDED FOR RESISTANCE MANAGEMENT AND REPLACEMENT CHEMISTRY FOR POSSIBLE CANCELLATIONS OF EXPORT TOLERANCES OF OTHER FUNGICIDES

Use Pattern: (PCR): USE THE ALTO PRODUCT; MAKE 1-2 POSTHARVEST FRUIT APPLIC OF 500-2000 ppm, 0-DAY PHI; APPLY IN WATER FOLLOWED BY WAX, OR IN A STORAGE WAX (PARAFFINIC) OR PACK WAX (CARNAUBA)

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 5 TRIALS

Comments: KEY EXPORT MARKETS NOTED AS MEXICO, CANADA, JAPAN, KOREA, TAIWAN, HONG KONG; THERE ARE NO ESTABLISHED TOLERANCES FOR THIS AI THAT CAN BE USEFUL FOR THIS POST HARVEST USE:04/20; MFG APPROVED THIS REQUESTED POSTHARVEST USE FOR RESIDUE WORK:05/20; EPA CAUTION:08/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-FL154	Long, Michael	20-CA92	Ennes, D. (Kearney)
20-FL155	Thomas, Darrell	20-CA93	Ennes, D. (Kearney)
(decline)		20--CA94	Ennes, D. (Kearney)
20-TX396	Arias, Miguel	(decline)	
(decline)			



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12993	<u>LAB</u> 20-TBD	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> LENNON	<u>CHEMICAL (MFG)</u> CYPROCONAZOLE (SYNGEN)	<u>COMMODITY</u> LEMON (POST HARVEST)	<u>CROP GROUP</u> LEMON/LIME SUBGROUP (10-10B)
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Reason for Need: POSTHARVEST GREEN AND BLUE MOLD (PENICILLIUM SPP.) AND SOUR ROT (GEOTRICHUM CITRI-AURANTI); NEEDED FOR RESISTANCE MANAGEMENT AND REPLACEMENT CHEMISTRY FOR POSSIBLE CANCELLATIONS OF EXPORT TOLERANCES

Use Pattern: (PCR): USE THE ALTO PRODUCT; MAKE 1-2 POSTHARVEST FRUIT APPLIC OF 500-2000 ppm, 0-DAY PHI; APPLY IN WATER FOLLOWED BY WAX, OR IN A STORAGE WAX (PARAFFINIC) OR PACK WAX (CARNAUBA)

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 5 TRIALS

Comments: KEY EXPORT MARKETS NOTED AS MEXICO, CANADA, JAPAN, KOREA, TAIWAN, HONG KONG; THERE ARE NO ESTABLISHED TOLERANCES FOR THIS AI THAT CAN BE USEFUL FOR THIS POST HARVEST USE:04/20; MFG APPROVED THIS REQUESTED POSTHARVEST USE FOR RESIDUE WORK:05/20; EPA CAUTION:08/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-CA87 (decline)	Ennes, D. (Kearney)
20-CA88 (decline)	Ennes, D. (Kearney)
20-CA89	Ennes, D. (Kearney)
20-CA90	Ennes, D. (Kearney)
20-CA91	Ennes, D. (Kearney)



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12995	20-TBD	A	LENNON	CYPROCONAZOLE (SYNGEN)	GRAPEFRUIT (POST HARVEST)	GRAPEFRUIT SUBGROUP (10-10C)

Reason for Need: POSTHARVEST GREEN AND BLUE MOLD (PENICILLIUM SPP.) AND SOUR ROT (GEOTRICHUM CITRI-AURANTII); NEEDED FOR RESISTANCE MANAGEMENT AND REPLACEMENT CHEMISTRY FOR POSSIBLE CANCELLATIONS OF EXPORT TOLERANCES

Use Pattern: (PCR): USE THE ALTO PRODUCT; MAKE 1-2 POSTHARVEST FRUIT APPLIC OF 500-2000 ppm, 0-DAY PHI; APPLY IN WATER FOLLOWED BY WAX, OR IN A STORAGE WAX (PARAFFINIC) OR PACK WAX (CARNAUBA)

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 5 TRIALS

Comments: KEY EXPORT MARKETS NOTED AS MEXICO, CANADA, JAPAN, KOREA, TAIWAN, HONG KONG; THERE ARE NO ESTABLISHED TOLERANCES FOR THIS AI THAT CAN BE USEFUL FOR THIS POST HARVEST USE:04/20; MFG APPROVED THIS REQUESTED POSTHARVEST USE FOR RESIDUE WORK:05/20; EPA CAUTION:08/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-FL156	Thomas, Darrell	20-CA95	Ennes, D. (Kearney)
20-FL157	Long, Michael	(decline)	
(decline)		20-CA96	Ennes, D. (Kearney)
20-TX397	Arias, Miguel	20-CA97	Ennes, D. (Kearney)
(decline)			



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12698	<u>LAB</u> 20-CAR02	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> HOMA	<u>CHEMICAL (MFG)</u> KASUGAMYCIN (ARYSTA)	<u>COMMODITY</u> PLUM	<u>CROP GROUP</u> PLUM SUBGROUP (12-12C)
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Reason for Need: BACTERIAL BLAST AND CANCKER; COPPER RESISTANCE IS WIDE SPREAD IN THE PATHOGEN POPULATION

Use Pattern: (PCR): USE KASUMIN 2L; MAKE 4 FOLIAR APPLIC OF 64 FL OZ/A, 7-DAY INTERVAL, 90-DAY PHI (PHI FOR CHERRY IS 30 DAYS); END-USE LABEL DIRECTIONS WOULD FOLLOW THE CURRENT CHERRY LABEL FOR KASUMIN

E/CS Data Requirements: MFG INDICATES NO MORE EFFICACY DATA IS NEEDED FROM IR-4

E/CS Research Comments:

IR-4 Residue Trial Plan: 5 10-5 11 12, 1 DECLINE TRIAL, A 5X RATE TRIAL FOR DRIED PLUMS

Comments: KEY EXPORT MARKET NOTED AS ASIA; REQUESTOR INDICATES EFFICACY AND CROP SAFETY DATA ARE AVAILABLE; MFG SUPPORTS, RESIDUE ONLY, AND MAY PROVIDE SOME \$\$\$ ASSISTANCE:04/19; EPA (HOLD) CAUTION:09/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MI225 Van Woerkom, Anthony
(to be repeated in 2021)

20-CA44	Skiles, Keri
20-CA45	Skiles, Keri
(Decline)	
20-CA46	Watkins, S.
20-CA47	Watkins, S.
20-CA48	Watkins, S.
(Dried plums)(processing)	
20-OR325	Lightle, Dani
(Region 12)	
20-WA412	Peng, Wilson



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12809	20-CAR03	A	HOMA	OXYTETRACYCLINE (AGROSO,NUFARM)	PLUM	PLUM SUBGROUP (12-12C)

Reason for Need: BACTERIAL CANKER AND BLAST; ROTATIONAL PRODUCT FOR KASUGAMYCIN

Use Pattern: (PCR): USE FIRELINE OR MYCOSHIELD; MAKE 2 DORMANT AND 2 BLOOM FOLIAR APPLIC OF 16 OZ (200 PPM AI)/100 GAL/, 7-DAY INTERVALS, 140-DAY PHI; APPLY PRIOR TO COLD WET WEATHER TO PREVENT CANKERS DURING DORMANCY AND BLAST DURING BLOOM

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 5 10-4 12, 1 PROCESSING (1X AND 2X RATES - DRIED PLUMS); 1 DECLINE NEEDED PER STUDY DIRECTOR:01/20

Comments: KEY EXPORT MARKETS NOTED AS GERMANY, JAPAN, HONG KONG; SEE PR# 03660 FOR PLUM REQUEST FOR DIFFERENT PESTS AND DIFFERENT USE PATTERN:08/19; AGROSOURCE SUPPORTS, RESIDUE ONLY:08/22/19; NUFARM SUPPORTS, RESIDUE AND E/CS DATA:08/27/19; COMMODITY CHANGED (PER TFM APPROVAL) FROM THE REQUESTED "PRUNE" TO "PLUM":01/20; EPA (HOLD) CAUTION:12/19; NUFARM CONFIRMED THEY ARE NOT ABLE TO SUPPORT THIS USE:02/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MI229 Van Woerkom, Anthony
(to be repeated in 2021)

20-CA81 Skiles, Keri
(Decline)
20-CA82 Skiles, Keri
20-CA83 Watkins, S.
(Processing)
20-CA84 Watkins, S.
20-OR336 Lightle, Dani
(Region 12)



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P11995	<u>LAB</u> -NONE	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> SAMOIL	<u>CHEMICAL (MFG)</u> BIFENAZATE (MACDERMID,UPL NA)	<u>COMMODITY</u> BLUEBERRY	<u>CROP GROUP</u> BUSHBERRY SUBGROUP (13-07B)
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Reason for Need: MITES - FEW MITICIDES REGISTERED, AND ONLY ALLOWED ON NON-BEARING PLANTS; NEEDED FOR RESISTANCE MANAGEMENT AND IPM PROGRAMS

Use Pattern: (PCR): USE THE ACRAMITE PRODUCT; MAKE 1 FOLIAR APPLIC OF 1 LB PRODUCT/A (0.5 LB AI) WHEN MITES REACH THRESHOLD; 1-DAY PHI (MFG RECOMMENDS THE APPLIC RATE BE THE SAME AS LOWBUSH BLUEBERRY, AT 0.375-0.5 LB AI/A [0.75-1.0 LB/A OF ACRAMITE 50WS])

E/CS Data Requirements:

E/CS Research Comments: IN 2019 PERFORMANCE PROTOCOL, TESTING IN GA TRIALS LOW, HIGH AND 2X RATES OF ACRAMITE 50WS (0.375, 0.5 AND 1.0 LB AI/A) IN MINIMUM 50 GPA, VS A REGISTERED STANDARD, FOLIAR DIRECTED APPLIC, WITH 1ST APPLIC AS SOON AS MITES ARE PRESENT; MAKE A 2ND APPLIC WHEN CONTROL BEGINS TO FAIL, BUT NOT LESS THAN 21 DAYS AFTER 1ST APPLIC; MAKE CROP INJURY AND MITE CONTROL ASSESSMENTS AT APPROPRIATE INTERVALS DURING THE TRIALS; IN THE 2020 PERFORMANCE PROTOCOL, TESTING JUST THE 0.375 AND 0.5 LB AI/A RATES OF ACRAMITE 4SC, IN 90-110 GPA, VS A REGISTERED STANDARD, FOLIAR DIRECTED APPLIC, WITH 1ST APPLIC AS SOON AS MITES ARE PRESENT; MAKE A 2ND APPLIC WHEN CONTROL BEGINS TO FAIL, BUT NOT LESS THAN 21 DAYS AFTER 1ST APPLIC; MAKE CROP INJURY AND MITE CONTROL ASSESSMENTS AT APPROPRIATE INTERVALS DURING THE TRIALS

IR-4 Residue Trial Plan: 1 2-3 5-3 12; 1 DECLINE (NEED TO ANALYZE SAMPLES WITHIN 30 DAYS OF HARVEST:10/18)

Comments: KEY EXPORT MARKET IS CANADA:08/16; EPA GREEN:09/18; ADDED TO 2019 RESEARCH PLAN VIA AN ACCEPTED NER REGIONAL UPGRADE; NEED TO ANALYZE SAMPLES WITHIN 30 DAYS OF HARVEST:10/18; PERFORMANCE PROTOCOL SIGNED AND CATEGORY WILL CHANGE TO E/CS & RESIDUE ON-GOING ONCE MOR PROTOCOL IS SIGNED:01/19; ALL RESIDUE DATA RECEIVED AT HQ, E/CS 2020 REPORTS STILL NEEDED:05/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-GAP02 Sial, Dr Ashfaq A
20-FLP04 Liburd, Oscar



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12831	20-CAR09	A	SAMOIL	PYRIFLUQUINAZON (NAI)	BLUEBERRY	BUSHBERRY SUBGROUP (13-07B)

Reason for Need: CHILLI THRIPS, CITRUS THRIPS; ONLY FEW LABELED PRODUCTS ARE EFFECTIVE; PER CA ME-TOO REQUEST, IS A HIGH PRIORITY IN CA AGAINST CITRUS THRIPS, NOT CHILLI THRIPS, IN BLUEBERRY; FEW PRODUCTS ARE AVAILABLE, AND THERE IS DOCUMENTED RESISTANCE OF CITRUS THRIPS TO PYRETHROIDS AND SPINOSYNS; IS HIGHLY EFFECTIVE

Use Pattern: (PCR): MAKE 2-3 FOLIAR APPLIC OF 3-4 FL OZ/100 G/A (CURRENT LABEL SUGGESTS 2.4-3.2 FL OZ/A, 2 APPLIC); 10-DAY INTERVLAL, 1-DAY PHI; PER MFG, PROPOSED USE PATTERN COMMENTS TO CONSIDER: APPLIC ON BLUEBERRY FOR CITRUS THRIPS ARE MADE POST-HARVEST TO PROTECT GROWTH FOR THE NEXT CROP CYCLE, SO A MUCH LONGER PHI SEEMS IN ORDER (PROBABLY 200+ DAYS); THIS IS NOT ONLY CONSISTENT WITH CURRENT PRACTICES, BUT WILL HELP "ZERO-OUT" ON RESIDUES TO SUPPORT A 0.01 TOLERANCE AND AVOID AN IMPORT TOLERANCE IN CANADA AND ELSEWHERE; LIMIT OF 2 APPLIC PER SEASON, USING 6.4 FL OZ/A:10/19

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 1 2-3 5-3 12, 1 DECLINE TRIAL; PER STUDY DIRECTOR, DECLINE NOT NEEDED:11/19

Comments: JAPAN AND CANADA NOTED AS KEY EXPORT MARKETS:08/19; TO BE SUPPORTED BY CA SPECIAL GRANT FOR 2020:09/19; MFG SUPPORTS, RESIDUE ONLY:10/19; MFG LIKELY WILL SUBMIT IR-4 DATA WITH THEIRS:12/19; EPA GREEN:12/19;

NER-EPA Region-FRD

20-NJ272 Freiburger, Tom
(reg 1)

NCR-EPA Region-FRD

20-MI231 Van Woerkom, Anthony
20-MI232 Zandstra, Dr. Bernard H.
20-MI233 Zandstra, Dr. Bernard H.

SOR-EPA Region-FRD

20-GA*171 Fraelich, Ben
20-NC252 Batts, Roger B.
20-NC253 Batts, Roger B.

WSR-EPA Region-FRD

20-OR337 Lightle, Dani
20-WA421 Maupin, Brian
(Region 12)(New FRD)

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12807	20-STR02	A	SAMOIL	XDE-659 (CORTEVA)	BLUEBERRY	BUSHBERRY SUBGROUP (13-07B)

Reason for Need: MUMMY BERRY, BOTRYTIS BLOSSOM BLIGHT AND FRUIT ROT, AND ANTHRACNOSE FRUIT ROT; WE LACK SEVERAL MODES OF ACTION TO CONTROL BLUEBERRY ANTHRACNOSE

Use Pattern: (PCR): MAKE FOLIAR OR SOIL APPLIC OF 10-20 FL OZ/A; APPLY AFTER APOTHECIA ARE PRESENT FOR MUMMY BERRY, AND TARGET SPRAYS AROUND BLOOM FOR ANTHRACNOSE; NO OTHER USE PATTERN DETAILS PROVIDED (MFG REQUESTS THAT APPLIC OF XDE-659 SHOULD BE NO MORE THAN 1/3 OF THE TOTAL FUNGICIDE APPLIC, UP TO 3 APPLIC PER CROPPING SEASON AND 5 PER CALENDAR YEAR)

E/CS Data Requirements:

E/CS Research Comments: PMC/CANADA IS CONDUCTING 3 EFF TRIALS IN 2020, TARGETING SEVERAL DISEASES ON HIGHBUSH AND LOWBUSH:12/19

IR-4 Residue Trial Plan: NAFTA SITES: 1 2 5-2 12-4, 1 DECLINE TRIAL

Comments: NO KEY EXPORT MARKETS NOTED; MFG SUPPORTS, RESIDUE AND E/CS, AND POSSIBLY WILL ASSIST WITH SAMPLE ANALYSIS:08/19; MFG CONFIRMED ONLY RESIDUE DATA NEEDED; MFG HAS EFFICACY TRIALS UNDERWAY:09/17/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES INDICATED IN THE IR-4 RESIDUE TRIAL PLAN FIELD (US TRIAL SITES WERE: 1 2-3 5-3 12, 1 DECLINE TRIAL):10/19

NER-EPA Region-FRD

20-NJ269 Freiberger, Tom
(decline)
20-NJ270 Freiberger, Tom

NCR-EPA Region-FRD

20-MI228 Van Woerkom, Anthony
20-OH*305 Horst, Leona

SOR-EPA Region-FRD

20-NC248 Batts, Roger B.

WSR-EPA Region-FRD

20-OR334 Lightle, Dani
(Region 12)
20-OR335 Lightle, Dani
(Region 12)

CANADA-EPA Region-FRD

20-BC13 Clodius, Markus
(highbush)

20-BC14 Clodius, Markus
20-NS289 Hanscomb, Darrell
(lowbush)(to be term'd & repl with

20-NS469 Jotcham, Jim



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12604	-NONE	+	BATTS	CLOPYRALID (DOWAGR)	GRAPE	SMALL FRUIT VINE CLIMBING SUBGROUP, EXCEPT FUZZY KIWIFRUIT (13-07F)

Reason for Need: CANADA THISTLE, CLOVER, DANDELION, PERENNIAL SOWTHISTLE, HORSENETTLE; IT IS VERY DIFFICULT TO CONTROL MANY COMPOSITE, LEGUME, AND NIGHTSHADE WEEDS IN GRAPE; PREEMERGENCE HERBICIDES DO NOT CONTROL THEM, AND THEY ARE NOT CONTROLLED WELL WITH OTHER POST HERBICIDES; PER NY ME-TOO REQUEST: ALSO NEEDED FOR HORSEWEED, GLYPHOSATE RESISTANT WEEDS AND IPM ROTATION; PER PA ME-TOO REQUEST: GOOD FIT FOR TOUGH WEEDS ALREADY LISTED, AS WELL AS MARESTAIL, AND FOR RESISTANT WEEDS AND ROTATION PURPOSES:01/20

Use Pattern: (PCR): USE THE STINGER OR SPUR PRODUCT; MAKE 1-2 APPLIC OF 0.063-0.125 LB A/A, 30-DAY INTERVAL, DIRECTED TO THE BASE OF GRAPE VINES AND TO WEEDS GROWING IN GRAPE ROWS; 30-DAY PHI; AVOID CONTACT WITH CROP LEAVES, AND APPLY WHEN WIND IS <5 MPH; IT IS CRITICAL THAT THE APPLIC OVERLAPS THE TRUNK OF THE VINES AT THE BASE, SO THAT WEEDS IN THE ROW RECEIVE COVERAGE

E/CS Data Requirements: MFG WOULD REQUIRE A MINIMUM OF 2 YEARS OF CROP SAFETY DATA FROM MULTIPLE LOCATIONS AT 2X-4X THE MAXIMUM LABEL RATE; DEPENDING ON RESULTS OF PHYTO DATA, CROP VALUE AND PRIOR EXPERIENCE (SECTION 18's, OTHER COUNTRIES, ETC.), MFG WOULD CONSIDER SUPPORT FOR A SEC. 3 REGISTRATION (WITH PRECAUTIONARY LANGUAGE [MAY BE RESTRICTED TO STATES WITH DATA TO SUPPORT THE USE]), OR MFG COULD CONSIDER REGISTERING AS A SEC. 24C SLN WITH PRECAUTIONARY AND INDEMNIFICATION LANGUAGE (ONLY IN THOSE STATES WITH DATA TO SUPPORT):11/18

E/CS Research Comments: IN 2019 PERFORMANCE PROTOCOL: TESTING 0.25 AND 0.05 LB AE/A OF THE STINGER PRODUCT (3 LB ACID EQUIVALENT/GAL), PLUS AN NIS AT 0.25% V/V, IN >10 GPA, VS A WEED-FREE CONTROL; APPLY AS BANDED APPLIC TO THE VINEYARD FLOOR ON EACH SIDE OF THE VINE ROW, IN A MINIMUM SWATH WIDTH OF 3 FT ON EACH SIDE OF THE ROW; FOR THE 0.25 LB AE/A TRT MAKE 2 APPLIC, WITH 1ST APPLIC TO WEEDS <6 IN TALL AND 2ND APPLIC 30 DAYS LATER; FOR THE 0.5 LB AE/A TRT, MAKE A SINGLE APPLIC WHEN WEEDS ARE <6 IN TALL; REPEAT APPLIC OF THESE TRTS ON THE SAME PLOTS THE FOLLOWING SEASON; ASSESSING CROP INJURY (WEED CONTROL DATA OPTIONAL) AT 14 AND 28 DAYS AFTER EACH APPLIC AND AGAIN THE NEXT SPRING FOLLOWING THE LAST APPLIC; ALSO COLLECT DATA ON YIELD/A AND QUALITY OF HARVESTED COMMODITY, IF APPROPRIATE

IR-4 Residue Trial Plan: 1-2 10-8 11 12

Comments: NO EXPORT MARKETS IDENTIFIED:08/18; AT 2018 FUW, MFG CHANGED STATUS FROM UNDER EVAL TO POTENTIAL, E/CS DATA BEFORE RESIDUE:09/18

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MIP02 Zandstra, Dr. Bernard H.

20-CAP02 Hanson, Brad
 20-CAP03 Hanson, Brad
 20-WAP01 Walsh, Dr. Doug
 (funded, so no \$ needed for 2nd year in ;
 20-WAP02 Walsh, Dr. Doug
 (funded, so no \$ needed for 2nd year in ;



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P12220	<u>LAB</u> -NONE	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> BATTS	<u>CHEMICAL (MFG)</u> DIQUAT (SYNGEN)	<u>COMMODITY</u> GRAPE	<u>CROP GROUP</u> SMALL FRUIT VINE CLIMBING SUBGROUP, EXCEPT FUZZY KIWIFRUIT (13-07F)
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Reason for Need: ANNUAL WEEDS (PER REQUESTOR DIQUAT COVERS A SIMILAR WEED SPECTRUM AS PARAQUAT; PER MFG, PARAQUAT IS MORE EFFECTIVE ON GRASSES AND HAS A BROADER SPECTRUM OF ACTIVITY; DIQUAT IS NOT AS EFFECTIVE, DEPENDING ON TARGET SPECIES)

Use Pattern: (PCR): USE REGLONE (FOR EXAMPLE); APPLY 0.7-0.93 LB AI/A, + NIS, POSTEMERGENCE FOLIAR TO WEEDS; 1-DAY PHI; APPLY IN A NARROW BAND UNDER THE VINE, 1-3 FT WIDE ON EACH SIDE OF THE VINEROW; DO NOT ALLOW SPRAY TO CONTACT GREEN STEMS, FOLIAGE OR FRUIT; USE A SHIELD OR WRAP PLANT WHEN SPRAYING AROUND YOUNG VINES; MFG RECOMMENDS THAT MAX PER YEAR IS 11.0 LB AI/A:07/17

E/CS Data Requirements:

E/CS Research Comments: IN THE 2019 PERFORMANCE PROTOCOL: TESTING 0.5 AND 1.0 LB AI/A OF THE REGLONE DESSICANT PRODUCT (2 LB DIQUAT CATION OR 3.73 LB SALT/GAL), PLUS A LABEL RATE OF A NONIONIC SURFACTANT, VS A WEED-FREE CONTROL, APPLIED IN A BAND TO THE VINEYARD FLOOR, EXTENDING OUT FROM VINE PLANTS AT LEAST 3 FT TO ROW MIDDLES, IN 20-50 GPA; MAKE 3 APPLIC 14 DAYS APART, WITH 1ST APPLIC MADE TO WEEDS <6 INCHES TALL, AND LAST APPLIC AT 30 DAYS BEFORE HARVEST; ASSESSING CROP INJURY (WEED CONTROL OPTIONAL) AT 14 DAYS AFTER EACH APPLIC, AND AGAIN AFTER BUD BREAK THE FOLLOWING SEASON

IR-4 Residue Trial Plan: 1-2 10-5 11-2; 1 PROCESSING - 5X RATE

Comments: PER REQUESTOR, CURRENTLY GROWERS USE HIGHLY TOXIC PARAQUAT (SIGNAL WORD 'DANGER'), BUT DIQUAT IS LESS TOXIC (SIGNAL WORD 'CAUTION') (PER MFG, BOTH PRODUCTS REQUIRE SIMILAR PPE, AND WHEN APPLIED PER LABEL DIRECTIONS THERE ARE NOT DIFFERENCES IN SAFETY AS BOTH PRODUCTS ARE SAFE TO USE); MAIN USE IS AFTER PRUNING AND CANES ARE REMOVED, AND AGAIN IN-SEASON, DEPENDING ON VINE FOLIAGE; DIQUAT COULD BE APPLIED LATE FALL, LATE WINTER OR EARLY SPRING, AND THEN IN SUMMER, SO UP TO 3 TIMINGS:04/17; PER MFG, THIS AI IS IN REG. REVIEW AT EPA, AND UNTIL THAT REVIEW IS COMPLETE, THERE IS UNCERTAINTY ABOUT EXPANDING USES BEYOND WHAT IS CURRENTLY LABELED:07/17; EPA CAUTION:08/17; EPA CAUTION:09/18; PERFORMANCE PROTOCOL SIGNED AND CATEGORY WILL CHANGE TO E/CS & RESIDUE ON-GOING ONCE MOR PROTOCOL IS SIGNED:02/19

NER-EPA Region-FRD

20-NYP01 Palmer, Scott

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

20-CAP04 Hanson, Brad
20-WAP03 Walsh, Dr. Doug

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12715	20-FLR04	A	HOMA	FLUAZINAM (ISK,SYNGEN)	GRAPE	SMALL FRUIT VINE CLIMBING SUBGROUP, EXCEPT FUZZY KIWIFRUIT (13-07F)

Reason for Need: RIPE ROT (CAUSED BY COLLETOTRICHUM SPP.); HAS BEEN AN INCREASING DISEASE IN VINEYARDS IN THE MID-ATLANTIC REGION; CONTROL OF RIPE ROT TYPICALLY RELIES ON STROBILURINS, BUT RESISTANCE IN COLLETOTRICHUM HAS BEEN FOUND WIDESPREAD; CAPTAN PROBABLY IS ONE OF THE FEW FUNGICIDES THAT HAS PROVEN TO BE EFFECTIVE AGAINST THE DISEASE IN ADDITION TO QOIs; UNFORTUNATELY IT IS NOT FAVORED CLOSER TO HARVEST FROM WINE PERSPECTIVE; THEREFORE, THE FUNGICIDE CHOICES FOR RIPE ROT MANAGEMENT ARE VERY LIMITED; FLUAZINAM IS LABELED ON BLUEBERRIES FOR ANTHRACNOSE (SAME PATHOGEN THAT CAUSES RIPE ROT ON GRAPES) CONTROL, AND IT ALSO SHOWED GOOD EFFICACY (SIMILAR TO CAPTAN) FOR CONTROL OF STRAWBERRY ANTHRACNOSE FRUIT ROT

Use Pattern: (PCR): USE THE OMEGA 500F PRODUCT; MAKE 2 FOLIAR APPLIC OF 1.25 PT/A, 7-10 DAY INTERVAL, 30-DAY PHI; NO MORE THAN 7.5 PT/A/GROWING SEASON (3.91 LB AI); APPLIC SHOULD CORRESPOND TO PRE-BLOOM, BLOOM, BERRY TOUCH, BUNCH CLOSURE, VERAISON AND PRE-HARVEST (HQ SUGGESTS: A USE PATTERN SIMILAR TO BUSHBERRIES, WITH 6 APPLIC OF 1.25 PT/A [0.65 LB AI/A], 30-DAY PHI)

E/CS Data Requirements: PER MFG 10/29/19: NEED 3 EFFICACY TRIALS, PREFERABLY IN THE MID-ATLANTIC AREA WHERE DISEASE PRESSURE IS CONSISTENT; TEST 1.0 & 1.25 PT PRODUCT/A, APPLIED FROM BLOOM TO BUNCH CLOSURE, MAINTAINING A 21-DAY PHI; EVALUATE DISEASE SEVERITY AND INCIDENCE AT HARVEST & % CONTROL RELATIVE TO THE UTC; RATE PHYTO AFTER EACH APPLIC

E/CS Research Comments: REQUESTOR CONFIRMED THE PRODUCT HAS SHOWN GOOD EFFICACY AGAINST THE SAME PATHOGEN ON STRAWBERRY, AND IT HAS BEEN LABELED ON APPLE FOR CONTROL OF THE SAME PATHOGEN:07/19; PER THE 2020 PERFORMANCE PROTOCOL: TESTING OMEGA 500F AT 0.521 AND 0.65 LB AI/A RATES, COMPARED WITH THE STANDARD CAPTAN; VINEYARD FOR TESTING INCLUDES 5 CULTIVARS (2 HYBRIDS AND 3 VINIFERA VARIETIES); MAKE 4 FOLIAR DIRECTED APPLIC IN 30-100 GPA, WITH 1ST APPLIC AT BLOOM, 2ND APPLIC AT BUNCH CLOSURE, 3RD APPLIC AT VERAISON AND FINAL APPLIC AT A 21-DAY PHI; EVALUATE CROP SAFETY, DISEASE INCIDENCE AND DISEASE SEVERITY

IR-4 Residue Trial Plan: 1-2 10-8 11/12-2, 1 DECLINE TRIAL, 1 PROCESSING TRIAL (RAISINS, JUICE)

Comments: NO KEY EXPORT MARKETS NOTED:04/19; MFG THINKS REQUESTED RATE IS WAY TOO LOW (MAYBE UP TO 1.5 PT/A?); THERE IS A U.S. IMPORT TOLERANCE FOR WINE GRAPES, WITH USE ON GRAPES IN A NUMBER OF OTHER COUNTRIES; IR-4 TO SHARE WITH MFG ANY EFFICACY DATA AVAILABLE FROM THE REQUESTOR, WHICH COULD HELP IN CHANGING PROJECT STATUS TO A RESEARCHABLE CATEGORY:07/19; EPA GREEN:09/19; MFG APPROVED, RESIDUE AND E/CS DATA NEEDED, AT FUW:09/19; BASED ON CHEMSAC APPROVAL OF AN IR-4 PROPOSAL TO USE EXISTING FOREIGN DATA TO SUPPORT A U.S. TOLERANCE, AN IR-4 RESIDUE STUDY IS NOT REQUIRED:05/20; THE STUDY HAS BEEN CANCELLED EFF 5/12/20 AS THE US EPA CONFIRMED THERE IS SUFFICIENT DATA ALREADY IN PLACE FOR A LABELLED USE:05/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS) (Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

20-NJ265 Fisher, Jennifer
20-NJ266 Freiberger, Tom

20-CA49 Kyser, Guy
(Table)(Decline)
20-CA50 Kyser, Guy
(Table)
20-CA51 Leach, Nathan
(Wine)
20-CA52 Leach, Nathan
(Wine)
20-CA53 Skiles, Keri
(Table, processing juice)
20-CA54 Skiles, Keri
(raisin)
20-CA55 Mitchell, Michelle
(Wine)
20-CA56 Mitchell, Michelle
(Wine)
20-OR326 Lightle, Dani
(Region 12)(Wine)
20-WA413 Peng, Wilson
(Concord)



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12715	-NONE	A	HOMA	FLUAZINAM (ISK,SYNGEN)	GRAPE	SMALL FRUIT VINE CLIMBING SUBGROUP, EXCEPT FUZZY KIWIFRUIT (13-07F)

Reason for Need: RIPE ROT (CAUSED BY COLLETOTRICHUM SPP.); HAS BEEN AN INCREASING DISEASE IN VINEYARDS IN THE MID-ATLANTIC REGION; CONTROL OF RIPE ROT TYPICALLY RELIES ON STROBILURINS, BUT RESISTANCE IN COLLETOTRICHUM HAS BEEN FOUND WIDESPREAD; CAPTAN PROBABLY IS ONE OF THE FEW FUNGICIDES THAT HAS PROVEN TO BE EFFECTIVE AGAINST THE DISEASE IN ADDITION TO QOIs; UNFORTUNATELY IT IS NOT FAVORED CLOSER TO HARVEST FROM WINE PERSPECTIVE; THEREFORE, THE FUNGICIDE CHOICES FOR RIPE ROT MANAGEMENT ARE VERY LIMITED; FLUAZINAM IS LABELED ON BLUEBERRIES FOR ANTHRACNOSE (SAME PATHOGEN THAT CAUSES RIPE ROT ON GRAPES) CONTROL, AND IT ALSO SHOWED GOOD EFFICACY (SIMILAR TO CAPTAN) FOR CONTROL OF STRAWBERRY ANTHRACNOSE FRUIT ROT

Use Pattern: (PCR): USE THE OMEGA 500F PRODUCT; MAKE 2 FOLIAR APPLIC OF 1.25 PT/A, 7-10 DAY INTERVAL, 30-DAY PHI; NO MORE THAN 7.5 PT/A/GROWING SEASON (3.91 LB AI); APPLIC SHOULD CORRESPOND TO PRE-BLOOM, BLOOM, BERRY TOUCH, BUNCH CLOSURE, VERAISON AND PRE-HARVEST (HQ SUGGESTS: A USE PATTERN SIMILAR TO BUSHBERRIES, WITH 6 APPLIC OF 1.25 PT/A [0.65 LB AI/A], 30-DAY PHI)

E/CS Data Requirements: PER MFG 10/29/19: NEED 3 EFFICACY TRIALS, PREFERABLY IN THE MID-ATLANTIC AREA WHERE DISEASE PRESSURE IS CONSISTENT; TEST 1.0 & 1.25 PT PRODUCT/A, APPLIED FROM BLOOM TO BUNCH CLOSURE, MAINTAINING A 21-DAY PHI; EVALUATE DISEASE SEVERITY AND INCIDENCE AT HARVEST & % CONTROL RELATIVE TO THE UTC; RATE PHYTO AFTER EACH APPLIC

E/CS Research Comments: REQUESTOR CONFIRMED THE PRODUCT HAS SHOWN GOOD EFFICACY AGAINST THE SAME PATHOGEN ON STRAWBERRY, AND IT HAS BEEN LABELED ON APPLE FOR CONTROL OF THE SAME PATHOGEN:07/19; PER THE 2020 PERFORMANCE PROTOCOL: TESTING OMEGA 500F AT 0.521 AND 0.65 LB AI/A RATES, COMPARED WITH THE STANDARD CAPTAN; VINEYARD FOR TESTING INCLUDES 5 CULTIVARS (2 HYBRIDS AND 3 VINIFERA VARIETIES); MAKE 4 FOLIAR DIRECTED APPLIC IN 30-100 GPA, WITH 1ST APPLIC AT BLOOM, 2ND APPLIC AT BUNCH CLOSURE, 3RD APPLIC AT VERAISON AND FINAL APPLIC AT A 21-DAY PHI; EVALUATE CROP SAFETY, DISEASE INCIDENCE AND DISEASE SEVERITY

IR-4 Residue Trial Plan: 1-2 10-8 11/12-2, 1 DECLINE TRIAL, 1 PROCESSING TRIAL (RAISINS, JUICE)

Comments: NO KEY EXPORT MARKETS NOTED:04/19; MFG THINKS REQUESTED RATE IS WAY TOO LOW (MAYBE UP TO 1.5 PT/A?); THERE IS A U.S. IMPORT TOLERANCE FOR WINE GRAPES, WITH USE ON GRAPES IN A NUMBER OF OTHER COUNTRIES; IR-4 TO SHARE WITH MFG ANY EFFICACY DATA AVAILABLE FROM THE REQUESTOR, WHICH COULD HELP IN CHANGING PROJECT STATUS TO A RESEARCHABLE CATEGORY:07/19; EPA GREEN:09/19; MFG APPROVED, RESIDUE AND E/CS DATA NEEDED, AT FUW:09/19; BASED ON CHEMSAC APPROVAL OF AN IR-4 PROPOSAL TO USE EXISTING FOREIGN DATA TO SUPPORT A U.S. TOLERANCE, AN IR-4 RESIDUE STUDY IS NOT REQUIRED:05/20; THE STUDY HAS BEEN CANCELLED EFF 5/12/20 AS THE US EPA CONFIRMED THERE IS SUFFICIENT DATA ALREADY IN PLACE FOR A LABELLED USE:05/20

NER-EPA Region-FRD

20-MDP01 Hu, Dr. Mengjun
20-MDP02 Hu, Dr. Mengjun

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12500	-NONE	A	BATTS	TRIFLOXYSULFURON (SYNGEN)	STRAWBERRY	LOW GROWING BERRY SUBGROUP (13-07G)

Reason for Need: GREEN KYLLINGA; THIS WEED IS A GROWING PROBLEM IN STRAWBERRY ROW MIDDLES, AND NO CURRENTLY REGISTERED HERBICIDES CONTROL IT

Use Pattern: (PCR): USE THE EVOKE PRODUCT; MAKE 2 SOIL APPLIC, 14 DAYS APART; RATE NOTED AS TBD; DON'T ALLOW SPRAY TO CONTACT THE CROP; APPLY BEFORE FIRST BERRY PICK OR AT THE END OF BERRY SEASON PRIOR TO PLANTING RELAY CROP

E/CS Data Requirements: MFG REQUIRES DATA TO ENSURE EFFICACY/CROP SAFETY (REQUESTOR IS RUNNING STUDIES IN 2018, BUT ADDITIONAL STUDIES MAY BE REQUIRED):07/18; FROM 10/17/18, MFG REQUESTED: 4 TOTAL TRIALS - 2 IN-CROP EFFICACY/SAFETY (1X & 2X, % CONTROL); MINIMUM 2 CARRYOVER OR SAFETY TO ROTATIONAL CROP TRIALS (STAND COUNT/ESTABLISHMENT, VIGOR RATING, FOLLOWING ENVOKE LABEL GPA, PHI, PLANTBACK)

E/CS Research Comments: IN 2019 PERFORMANCE PROTOCOL: TESTING 0.007 AND 0.014 LB AI/A OF THE ENVOKE PRODUCT (75%), PLUS A LABEL RATE OF ADJUVANT, VS A WEED-FREE CONTROL; MAKE 2 BANDED APPLIC OF EACH TRT TO SOIL AND OUTER AREA OF MULCH (TO ROW MIDDLES), IN 10-40 GPA, AT A 14-DAY INTERVAL AND LAST APPLIC AT A 14-DAY PHI; ASSESSING CROP INJURY (NOT WEED CONTROL) AT 14 AND 28 DAYS AFTER TRANSPLANTING AND AFTER EACH APPLIC, PLUS YIELD/A AND QUALITY OF HARVESTED COMMODITY; IN 2020 PROTOCOL, PURPOSE IS TO EXAMINE CARRYOVER POTENTIAL OF TRIFLOXYSULFURON APPLIED TO STRAWBERRY FOR GREEN KYLLINGA CONTROL (WILL COLLECT ROTATIONAL AND RELAY CROP RESPONSE DATA TO SUPPORT THIS REGISTRATION): TESTING THE SAME RATES/USE PATTERN AS IN 2019 TRIALS, USING A HOODED/SHIELDED BAND TO ROW MIDDLES, BUT NO STRAWBERRY PLANTS ARE NEEDED - JUST THE BEDS TO SIMULATE COMMERCIAL ANNUAL STRAWBERRY PRODUCTION; EVALUATE ROTATIONAL CROP STAND AND VIGOR

IR-4 Residue Trial Plan: 1 2 3 5 10-3 12; 1 DECLINE

Comments: CANADA AND MEXICO ARE KEY EXPORT MARKETS:04/18; A LABEL FOR THIS USE WOULD BE INDEMNIFIED; ROW MIDDLE USE PATTERN SHOULD RESULT IN VERY LOW TO NO RESIDUES; ROTATIONAL CROP RESTRICTION FROM A RESIDUE STANDPOINT WOULD BE 4 MONTHS (120 DAYS):07/18: EPA GREEN:12/18

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-FLP01 Boyd, Nathan
20-NCP01 Batts, Roger B.



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12796	20-STR12	A	LENNON	XDE-659 (CORTEVA)	STRAWBERRY (GH)	LOW GROWING BERRY SUBGROUP (13-07G)

Reason for Need: BOTRYTIS, POWDERY MILDEW, EARLY BLIGHT, SEPTORIA, ALTERNARIA, SCLEROTINIA, FUSARIUM (SUPPRESSION); PER OH AND MI ME-TOO REQUESTS, BOTRYTIS IS A BIG PROBLEM IN GH STRAWBERRIES

Use Pattern: (PCR): USE 0.09-0.13 LB AI/A; MAKE UP TO 3 FOLIAR APPLIC PER CROP, MAX 5 PER YR, MINIMUM 30 GPA, 10-14 DAY INTERVAL, 0-2 DAY PHI; APPLY BEFORE VISIBLE SYMPTOMS OF POWDERY MILDEW APPEAR; APPLY WITH AN NIS OR NIS BLEND ADJUVANT, BUT NOT WITH ADDITIVES CONTAINING LATEXES; DO NOT APPLY BY CHEMIGATION

E/CS Data Requirements:

E/CS Research Comments: PMC/CANADA IS PLANNING TO CONDUCT 2 GH EFFICACY TRIALS IN 2020, TARGETING BOTRYTIS GREY MOLD:12/19

IR-4 Residue Trial Plan: ANY 4 TRIALS, 1 IS A DECLINE TRIAL (= SAME AS NAFTA SITES)

Comments: CANADA NOTED AS A KEY EXPORT MARKET:07/19; MFG SUPPORTS THIS GH USE, RESIDUE AND E/CS, AND MAY ASSIST WITH ANALYTICAL WORK; THE USE PATTERN NEEDS TO ALSO INCLUDE "NO MORE THAN 1/3 OF TOTAL FUNGICIDE SPRAYS":08/19; MFG CONFIRMED ONLY RESIDUE DATA NEEDED; MFG IS DOING FIELD RESIDUES, AND THEY HAVE E/CS DATA UNDER PLASTIC:09/17/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES THE SAME AS US REQUIREMENTS:10/19

NER-EPA Region-FRD

20-MD215 Ross, Marylee

NCR-EPA Region-FRD

SOR-EPA Region-FRD

20-FL152 Long, Michael

WSR-EPA Region-FRD

20-CA68 Ennes, D. (Kearney)
(Decline)

CANADA-EPA Region-FRD

20-BC11 Clodius, Markus
20-QC352 Cloutier, Dominic



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 11920	<u>LAB</u> 19-FLR12	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> HOMA	<u>CHEMICAL (MFG)</u> FLUAZINAM (ISK,SYNGEN)	<u>COMMODITY</u> STRAWBERRY (NON-BEARING)	<u>CROP GROUP</u> LOW GROWING BERRY SUBGROUP (13-07G)
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Reason for Need: BOTRYTIS AND ANTHRACNOSE; NEED PRODUCTS FOR USE ONLY IN NURSERY PLANT PRODUCTION, THAT ARE NOT USED IN FRUIT PRODUCTION FIELDS; TOO FEW MOA'S ARE AVAILABLE TO CONTROL THESE TWO DISEASES, AND FLUAZINAM IS EFFECTIVE ON BOTH

Use Pattern: (PCR): USE THE OMEGA PRODUCT; MAKE 4 FOLIAR APPLIC OF 1.25 PT PROD/A; FOR NURSERY USE ONLY

E/CS Data Requirements: MFG REQUESTED 2-3 TOTAL TRIALS, WITH 1-2 IN FL AND ONE OTHER STATE; IR-4 CONSIDERS PERFORMANCE RESEARCH IS COMPLETE WITH ONGOING WORK:11/18

E/CS Research Comments:

IR-4 Residue Trial Plan: 1 3 5 10-2 12 (START IN GH OR IN FIELD [NURSERY]?)

Comments: FOR NURSERY PLANT PRODUCTION ONLY (SEE PR# 06798 FOR REQUESTED USE IN FRUIT PRODUCTION STRAWBERRIES); LIKELY CAN BE A NON-FOOD USE; MFG SUPPORTS BUT REQUIRES E/CS DATA; AND IR-4 TO DETERMINE IF ANY RESIDUE DATA IS NEEDED:05/16; EXPECTATION IS THAT A RESIDUE STUDY WILL BE NEEDED, SO NEED E/CS DATA BEFORE APPROVAL FOR RESIDUE:11/16; MFG MADE RESEARCHABLE, RESIDUE ONLY; ALTHOUGH USE IS ON NON-BEARING PLANTS, STRAWBERRY HARVEST WOULD RESULT WITHIN A YEAR OF APPLIC:06/18; EPA GREEN:09/18; IR-4 CONSIDERS PERFORMANCE RESEARCH IS COMPLETE WITH ONGOING WORK:11/18

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-CA457 Turner, B.(Turner Ag)
(repl of 19-CA*41)(add'l \$ needed)



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12296	-NONE	+	BATTS	SULFENTRAZONE (FMC)	CRANBERRY	LOW GROWING BERRY SUBGROUP, EXCEPT STRAWBERRY (13-07H)

Reason for Need: EARLY EMERGENT WEEDS; NEED PRODUCT TO CONTROL SEDGES

Use Pattern: (PCR): USE THE ZEUS XC PRODUCT; MAKE 1 DORMANT, FOLIAR APPLIC OF 0.375 LB AI/A; APPLY TO EMERGENT WEEDS WHILE CRANBERRY PLANTS ARE DORMANT; PHI IS AT LEAST 5 MONTHS

E/CS Data Requirements:

E/CS Research Comments: IN 2019 PERFORMANCE PROTOCOL: TESTING THE ZEUS XC PRODUCT AT 0.375 LB AI/A, BROADCAST POST OVER DORMANT CROP, WITH OR WITHOUT IRRIGATION WASHOFF, IN 10-15 OR 400 GPA (SIMULATED CHEMIGATION); SEE PROTOCOL FOR OTHER APPLIC INSTRUCTIONS; ASSESSING CROP INJURY, WEED CONTROL AND YIELD DATA/QUALITY

IR-4 Residue Trial Plan: 1-2 5-2 12

Comments: KEY EXPORT MARKETS INCLUDE CANADA, EU, AUSTRALIA, CODEX; TOLERANCE IS ESTABLISHED ON CROP GROUP 13-07, BUT CRANBERRY IS NOT ON THE LABEL:08/17; MFG SUPPORTS, IF E/CS DATA ARE PROVIDED:05/18; SLN 24C LABELS ARE APPROVED IN MA AND NJ:05/20

NER-EPA Region-FRD

20-NJP01 Besancon, Thierry

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12720	<u>LAB</u> 20-FLR07	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> JOLLY	<u>CHEMICAL (MFG)</u> CLOPYRALID (DOWAGR)	<u>COMMODITY</u> HAZELNUT (FILBERT)	<u>CROP GROUP</u> TREE NUT GROUP (14-12)
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Reason for Need: CANADIAN THISTLE; ONLY GLYPHOSATE IS ACTIVE IN CANADA THISTLE, BUT IT USE IS NOT RECOMMENDED DURING THE GROWING SEASON BECAUSE OF THE PRESENCE OF HAZELNUT SUCKERS AND CROP DAMAGE:05/19

Use Pattern: (PCR): USE THE STINGER PRODUCT; MAKE 2 FOLIAR AND WIPER APPLIC OF 0.66 PT/A (0.25 LB AI/A); APPLY IN SPRING DURING ACTIVE GROWTH (IS SAFE WHEN APPLIED TO HAZELNUT SUCKERS):05/19

E/CS Data Requirements: MFG REQUESTS 2X MAX RATE CROP SAFETY DATA; MFG CONFIRMED THEY ARE COMPLETING PERFORMANCE TRIALS WITH RESEARCHERS IN OR, AND NO ADDITIONAL IR-4 DATA ARE NEEDED:10/19

E/CS Research Comments:

IR-4 Residue Trial Plan: 12-4, 1 DECLINE TRIAL

Comments: CHINA IS NOTED AS A KEY EXPORT MARKET:05/19; MFG SUPPORTS, WITH NEED FOR 2X MAX RATE CROP SAFETY DATA:07/19; EPA GREEN:09/19; MFG CONFIRMED THEY ARE COMPLETING PERFORMANCE TRIALS, AND NO ADDITIONAL IR-4 DATA ARE NEEDED, SO STATUS CHANGED TO "RESIDUE ONLY":10/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-OR327 Lightle, Dani
(Region 12)(decline)
20-OR328 Lightle, Dani
(Region 12)
20-OR329 Lightle, Dani
(Region 12)
20-OR330 Lightle, Dani
(Region 12)



2020 Tentative/Scheduled Studies

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<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12790	20-CAR08	A	PIKE	CHLORANTRANILIPROLE (FMC)	RICE	CEREAL GRAINS AND CEREAL GRAINS FORAGE/FODDER/STRAW GROUPS (15-16)

Reason for Need: ARMYWORM (TRUE & WESTERN YELLOW- STRIPED) MYTHIMNA (= PSEUDALETIA) UNIPUNCTA AND SPODOPTERA PRAEFICA; THE TRUE ARMYWORM IS MOST PREVALENT IN CA RICE AND DIFFICULT TO CONTROL; CHLORANTRANILIPROLE IS A PRE-PLANT SOIL APPLIED INSECTICIDE FOR EARLY SEASON INSECT PESTS SUCH AS RICE WATER WEEVIL; THE SECTION 3 LABEL PROHIBITS FOLIAR APPLIC TO RICE; THIS IS A REQUEST TO EXPAND THE USE TO FOLIAR APPLIC TO RICE FOR ARMYWORM CONTROL; ALTERNATIVE INSECTICIDES ARE INEFFECTIVE AND HAVE ADDITIONAL LIMITATIONS WITH HERBICIDE APPLIC; METHOXYFENOZIDE IS AN IGR USED AS A SECTION 18 SINCE 2015; CONCERNS EXIST ABOUT METHOXYFENOZIDE BUILDING RESISTANCE

Use Pattern: (PCR): USE PREVATHON INSECT CONTROL; MAKE NO MORE THAN 2 FOLIAR APPLIC OF 20 FL OZ PRODUCT (0.067 LB AI)/A, FROM EARLY TILLERING TO PANICLE INITIATION, AND UP TO FLOWERING; 7-DAY INTERVAL (IF A SECOND APPLIC IS NEEDED), 1-DAY PHI; BEGIN APPLICATIONS WHEN FIRST SIGNS OF FEEDING DAMAGE APPEAR OR WHEN THRESHOLD LEVELS OF FEEDING DAMAGE OCCUR; APPLY BY AIR OR GROUND (MINIMUM 5 GPA); PREPLANT APPLIC OF CHLORANTRANILIPROLE HAVE A WATER HOLDING REQUIREMENT OF 14-DAYS; ASSUME THAT WOULD CARRY FORWARD TO FOLIAR APPLIC, AND POSSIBLY INCREASE; WILL PROVIDE EXAMPLES OF WATER HOLDING REQUIREMENTS FOR CALIFORNIA RICE; THE WATER HOLDING REQUIREMENTS ARE IN PLACE FOR EFFICACY AND FOR PESTICIDE DEGRADATION TO ACCEPTABLE LEVELS BEFORE RELEASE FROM THE FIELD; THE ADDITION OF AGRICULTURAL ADJUVANTS MAY IMPROVE INITIAL SPRAY DEPOSITS, REDISTRIBUTION AND WEATHER-ABILITY; SELECT ADJUVANTS THAT ARE CERTIFIED BY CHEMICAL PRODUCERS & DISTRIBUTORS ASSOC. AND REGISTERED FOR THE SPECIFIC USE PATTERN

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 4-11 5 6 10-3, 2 DECLINE TRIALS

Comments: KEY EXPORT MARKETS INCLUDE JAPAN, TAIWAN, CHINA; ALSO CODEX:07/19; MFG CONFIRMED THIS REQUEST IS RESEARCHABLE, AND REQUESTS THAT RESIDUE DATA BE GENERATED THAT WOULD ALSO SUPPORT THIS USE IN THE MID-SOUTH, NOT JUST CA:08/19; CA TRIALS TO BE SUPPORTED BY CA SPECIAL GRANT FOR 2020:09/19; EPA GREEN:12/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS) (Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

20-LA194 (decline)	Wright, Denise	20-CA62 (Decline)	Watkins, S.
20-LA195	Wright, Denise	20-CA63	Watkins, S.
20-LA196	Wright, Denise	20-CA64	Watkins, S.
20-LA197	Wright, Denise		
20-LA198	Wright, Denise		
20-LA199	Wright, Denise		
20-LA200	Wright, Denise		
20-LA201	Wright, Denise		
20-LA202	Wright, Denise		
20-LA203	Wright, Denise		
20-MS204	Horn, Tyler		
20-MS205	Horn, Tyler		
20-TX360 (Reg 6)	Jones, Trevor		



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12791	<u>LAB</u> 20-MIR11	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> JOLLY	<u>CHEMICAL (MFG)</u> ACIFLUORFEN (UPL NA)	<u>COMMODITY</u> BASIL	<u>CROP GROUP</u> HERB SUBGROUP (19A)
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Reason for Need: ANNUAL BROADLEAVES AND GRASSES; THE RESULT SHOULD BE BETTER QUALITY FRESH PRODUCT, AND LARGER YIELDS; FEW SAFE AND EFFECTIVE HERBICIDES ARE LABELED FOR BASIL; PER IL ME-TOO REQUEST, NEED PURSLANE CONTROL, FOR WHICH OTHER HERBICIDES ARE NOT AS EFFECTIVE; PER HI ME-TOO REQUEST, BASIL GROWERS THERE NEED AN EFFECTIVE HERBICIDE FOR ROUND-UP RESISTANT WEEDS AND FOR POST EMERGENCE USE SINCE THE GROWING SEASON IS YEAR ROUND; PER CA ME-TOO REQUEST, THEY STRUGGLE WITH A VARIETY OF HORRIBLE WEED PROBLEMS AND CURRENTLY AVAILABLE HERBICIDE OPTIONS DO VERY LITTLE, IF ANYTHING AT ALL:08/19

Use Pattern: (PCR): USE ULTRA BLAZER PRODUCT; MAKE 1 PREEMERGENCE APPLIC TO THE SOIL AFTER SEEDING BASIL, USING 0.25-0.375 LB AI/A, 60-DAY PHI; DO NOT APPLY POSTEMERGENCE TO BASIL

E/CS Data Requirements:

E/CS Research Comments: IN 2020 PERFORMANCE PROTOCOL: TESTING 0.375 AND 0.75 LB AI/A RATES OF ULTRA BLAZER, VS A COMMERCIAL STANDARD, IN 10-40 GPA, APPLIED BROADCAST TO THE SOIL SURFACE AFTER SEEDING OF BASIL BUT BEFORE CROP EMERGENCE; EVALUATING CROP SAFETY, WEED CONTROL AND CROP YIELD/GRADE

IR-4 Residue Trial Plan: ANY 4 TRIALS, FRESH AND DRIED

Comments: NO EXPORT MARKETS NOTED:08/19; MFG APPROVED PER 9/23/19 EMAIL, RESIDUE AND E/CS DATA NEEDED:09/19; EPA GREEN:12/19;

NER-EPA Region-FRD

20-NJ267 Fisher, Jennifer

NCR-EPA Region-FRD

20-OH*301 Horst, Leona

SOR-EPA Region-FRD

20-SC*367 Wade, Paul
20-TX390 Marconi, Cristina

WSR-EPA Region-FRD

20-WA418 Peng, Wilson

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P12791	<u>LAB</u> -NONE	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> BATTIS	<u>CHEMICAL (MFG)</u> ACIFLUORFEN (UPL NA)	<u>COMMODITY</u> BASIL	<u>CROP GROUP</u> HERB SUBGROUP (19A)
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Reason for Need: ANNUAL BROADLEAVES AND GRASSES; THE RESULT SHOULD BE BETTER QUALITY FRESH PRODUCT, AND LARGER YIELDS; FEW SAFE AND EFFECTIVE HERBICIDES ARE LABELED FOR BASIL; PER IL ME-TOO REQUEST, NEED PURSLANE CONTROL, FOR WHICH OTHER HERBICIDES ARE NOT AS EFFECTIVE; PER HI ME-TOO REQUEST, BASIL GROWERS THERE NEED AN EFFECTIVE HERBICIDE FOR ROUND-UP RESISTANT WEEDS AND FOR POST EMERGENCE USE SINCE THE GROWING SEASON IS YEAR ROUND; PER CA ME-TOO REQUEST, THEY STRUGGLE WITH A VARIETY OF HORRIBLE WEED PROBLEMS AND CURRENTLY AVAILABLE HERBICIDE OPTIONS DO VERY LITTLE, IF ANYTHING AT ALL:08/19

Use Pattern: (PCR): USE ULTRA BLAZER PRODUCT; MAKE 1 PREEMERGENCE APPLIC TO THE SOIL AFTER SEEDING BASIL, USING 0.25-0.375 LB AI/A, 60-DAY PHI; DO NOT APPLY POSTEMERGENCE TO BASIL

E/CS Data Requirements:

E/CS Research Comments: IN 2020 PERFORMANCE PROTOCOL: TESTING 0.375 AND 0.75 LB AI/A RATES OF ULTRA BLAZER, VS A COMMERCIAL STANDARD, IN 10-40 GPA, APPLIED BROADCAST TO THE SOIL SURFACE AFTER SEEDING OF BASIL BUT BEFORE CROP EMERGENCE; EVALUATING CROP SAFETY, WEED CONTROL AND CROP YIELD/GRADE

IR-4 Residue Trial Plan: ANY 4 TRIALS, FRESH AND DRIED

Comments: NO EXPORT MARKETS NOTED:08/19; MFG APPROVED PER 9/23/19 EMAIL, RESIDUE AND E/CS DATA NEEDED:09/19; EPA GREEN:12/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MIP06 Zandstra, Dr. Bernard H.

20-CAP12 Wang, Zheng



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P12416	<u>LAB</u> -NONE	<u>PRIORITY</u> +	<u>STUDY DIRECTOR</u> BATTS	<u>CHEMICAL (MFG)</u> SULFENTRAZONE (FMC)	<u>COMMODITY</u> BASIL	<u>CROP GROUP</u> HERB SUBGROUP (19A)
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Reason for Need: ANNUAL BROADLEAF WEEDS; PER IL 06/19 ME-TOO REQUEST: NEED FOR COMMON PURSLANE CONTROL

Use Pattern: (PCR): USE THE SPARTAN PRODUCT; MAKE 1 PREEMERGENCE APPLIC OF 0.125 LB AI/A TO THE SOIL AFTER SEEDING, MINIMUM 20 GPA; 30-DAY PHI; APPLY BEFORE BASIL EMERGENCE, AND WATER-IN WITH 0.25 IN OF WATER WITHIN 5 DAYS OF APPLIC

E/CS Data Requirements:

E/CS Research Comments: IN THE 2019 PERFORMANCE PROTOCOL: TESTING 0.125, 0.188 AND 0.25 LB AI/A OF THE ZEUS XC PRODUCT VS A GROWER STANDARD, APPLIED BROADCAST TO SOIL AFTER SEEDING (WATER INTO SOIL WITH AT LEAST 0.25 INCH OF IRRIGATION WITHIN 5 DAYS OF APPLIC), >10 GPA; ASSESSING CROP INJURY AND WEED CONTROL AT 14, 28, 56 DAYS AFTER APPLIC, PLUS YIELD/A AND QUALITY OF HARVESTED COMMODITY

IR-4 Residue Trial Plan: ANY 4 (FRESH AND DRIED)

Comments: THERE IS A ~20-YR-OLD REQUEST (PR# 07295) FOR USE ON BASIL THAT WAS WITHDRAWN; THIS NEW REQUEST IS FOR A DIFFERENT USE PATTERN FOR THE MFG TO CONSIDER; THIS AI HAS CONSISTENTLY BEEN A SAFE AND EFFECTIVE HERBICIDE IN WEED CONTROL TRIALS ON BASIL:10/17; EPA GREEN:09/18; AT 2018 FUW, MFG CHANGED STATUS FROM UNDER EVAL TO POTENTIAL (MFG HAS CONCERNS ABOUT CROP INJURY):09/18; ADDED TO 2019 RESEARCH PLAN AS AN "H+" VIA AN ACCEPTED PRIORITY UPGRADE PROPOSAL:10/18

NER-EPA Region-FRD

20-NJP02 Besancon, Thierry

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

20-CAP05 Wang, Zheng

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P12077	<u>LAB</u> -NONE	<u>PRIORITY</u> +	<u>STUDY DIRECTOR</u> HOMA	<u>CHEMICAL (MFG)</u> COPPER HYDROXIDE (AGTROL,DREXEL,GOWAN)	<u>COMMODITY</u> BASIL (GH TRANSPLANT)	<u>CROP GROUP</u> HERB SUBGROUP (19A)
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Reason for Need: BACTERIAL DISEASES; PER MI ME-TOO REQUEST, BASIL NEEDS PROTECTION FROM BACTERIAL DISEASES; BASIL IS THE LARGEST HERB CROP GROWN FOR THE RETAIL MARKET

Use Pattern: (PCR): USE GOWAN'S BADGE SC PRODUCT; MAKE 4 FOLIAR APPLIC OF 1.0 LB AI/A (NO OTHER USE PATTERN DETAILS PROVIDED)

E/CS Data Requirements:

E/CS Research Comments: IN 2020 PERFORMANCE PROTOCOL: TESTING FOLIAR APPLIC OF BADGE SC AT 0.225 AND 0.426 LB AI/A, IN 20-60 GPA, VS LABEL RATES OF PREVISTO AND SERENADE ASO; MAKE 4 APPLIC AT 7-10 DAY INTERVALS, BEGINNING PREVENTATIVELY WHEN CONDITIONS ARE OPTIMAL FOR PRESENCE OF DISEASE; EVALUATE DISEASE INCIDENCE AND DISEASE SEVERITY, AS WELL AS CROP HEALTH AND FOLIAGE INJURY

IR-4 Residue Trial Plan:

Comments: COPPER IS EXEMPT FROM THE REQUIREMENT FOR A TOLERANCE; THIS REQUESTED USE IS FOR GH TRANSPLANTS THAT WILL BE SOLD RETAIL TO CONSUMERS:09/16; GOWAN WOULD PUT THIS ON THEIR PERVISTO LABEL, WITH PERFORMANCE DATA:06/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MIP10	Hausbeck, Dr. Mary K.
20-MIP11	Hausbeck, Dr. Mary K.



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 08690	<u>LAB</u> 20-CAR04	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> JOLLY	<u>CHEMICAL (MFG)</u> QUIZALOFOP (AMVAC,GOWAN)	<u>COMMODITY</u> DILL	<u>CROP GROUP</u> HERB SUBGROUP (19A)
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Reason for Need: GRASSY WEEDS

Use Pattern: (PCR): 0.48 LB AI/A; POST EMERGENT; USE NON-IONIC SURFACTANT (THE PCR USE RATE SHOWN HERE LIKELY WAS INTENDED TO BE 0.048 LB AI/A, NOT 0.48 LB AI/A)

E/CS Data Requirements: 3-4 TRIALS; DIFFERENT LOCATION, AT LEAST 2X MAYBE 4X

E/CS Research Comments: PER THE 2020 PERFORMANCE PROTOCOL: TEST THE ASSURE II PRODUCT, APPLIED ONCE POSTEMERGENCE IN 10-40 GPA, INCLUDING A NON-IONIC SURFACTANT AT 0.25 % V/V, WHEN GRASS WEEDS ARE NO MORE THAN 4 INCHES IN SIZE; TEST 0.048, 0.096 AND 0.193 LB AI/A RATES; EVALUATE CROP SAFETY AND WEED CONTROL (CROP YIELD DATA ARE OPTIONAL)

IR-4 Residue Trial Plan: ANY 4 TRIALS, 1 DECLINE TRIAL (ALL TRIALS: SEED, FRESH AND DRIED LEAVES), OIL (2 TRIALS ONLY), DETERMINED NO DECLINE FIELD TRIAL NEEDED:05/20

Comments: MFG REQUIRES CROP SAFETY DATA PRIOR TO RESIDUE TRIALS:06/05; MFG CHANGED TO RESIDUE AND E/CS:06/19; EPA GREEN:09/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-OH*292 Horst, Leona
20-WI427 Chapman, Scott
(oil - processing)

20-SC*361 Wade, Paul

20-WA406 Peng, Wilson
20-WA*407 Larson, Duane
(oil - processing)



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P8690	<u>LAB</u> -NONE	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> BATTS	<u>CHEMICAL (MFG)</u> QUIZALOFOP (AMVAC,GOWAN)	<u>COMMODITY</u> DILL	<u>CROP GROUP</u> HERB SUBGROUP (19A)
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Reason for Need: GRASSY WEEDS

Use Pattern: (PCR): 0.48 LB AI/A; POST EMERGENT; USE NON-IONIC SURFACTANT (THE PCR USE RATE SHOWN HERE LIKELY WAS INTENDED TO BE 0.048 LB AI/A, NOT 0.48 LB AI/A)

E/CS Data Requirements: 3-4 TRIALS; DIFFERENT LOCATION, AT LEAST 2X MAYBE 4X

E/CS Research Comments: PER THE 2020 PERFORMANCE PROTOCOL: TEST THE ASSURE II PRODUCT, APPLIED ONCE POSTEMERGENCE IN 10-40 GPA, INCLUDING A NON-IONIC SURFACTANT AT 0.25 % V/V, WHEN GRASS WEEDS ARE NO MORE THAN 4 INCHES IN SIZE; TEST 0.048, 0.096 AND 0.193 LB AI/A RATES; EVALUATE CROP SAFETY AND WEED CONTROL (CROP YIELD DATA ARE OPTIONAL)

IR-4 Residue Trial Plan: ANY 4 TRIALS, 1 DECLINE TRIAL (ALL TRIALS: SEED, FRESH AND DRIED LEAVES), OIL (2 TRIALS ONLY), DETERMINED NO DECLINE FIELD TRIAL NEEDED:05/20

Comments: MFG REQUIRES CROP SAFETY DATA PRIOR TO RESIDUE TRIALS:06/05; MFG CHANGED TO RESIDUE AND E/CS:06/19; EPA GREEN:09/19

NER-EPA Region-FRD

20-NJP03 Besancon, Thierry

NCR-EPA Region-FRD

20-MIP07 Zandstra, Dr. Bernard H.

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12865	<u>LAB</u> 20-STR06	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> BARNEY	<u>CHEMICAL (MFG)</u> XDE-659 (CORTEVA)	<u>COMMODITY</u> HERBS (GH)	<u>CROP GROUP</u> HERB SUBGROUP (19A)
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Reason for Need: BOTRYTIS; THERE ARE FEW FUNGICIDES REGISTERED FOR USE ON HERB TRANSPLANTS FOR RETAIL SALE

Use Pattern: (PCR): USE 0.09-0.13 LB A/A; MAKE UP TO 5 FOLIAR APPLIC, 10-14 DAY INTERVAL, 1-DAY PHI; APPLY WHEN CONDITIONS FAVOR DISEASE AND APPLY WITH AN NIS OR NIS BLEND ADJUVANT; DO NOT APPLY BY CHEMIGATION

E/CS Data Requirements: NEED EFFICACY AND CROP SAFETY DATA:09/17/19; CANADA PMC DOING 2 GH EFF TRIALS IN 2020 (ON BASIL), TARGETING BOTRYTIS LEAF BLIGHT:01/20

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4 TRIALS ON BASIL (FRESH ONLY), 1 DECLINE TRIAL; (JOINT STUDY WITH CANADA WHERE DECLINE IS NEEDED ON ONE REP CROP)

Comments: NO KEY EXPORT MARKET NOTED; REQUESTER LISTED HERBS, SPECIFICALLY INCLUDING LAVENDAR, BASIL, PARSLEY, THYME TRANSPLANTS THAT ARE DESTINED FOR RETAIL SALE; COULD BE COVERED BY BASIL AND MINT, REP CROPS FOR THE PROPOSED NEW CROP GROUP 25 HERBS:08/19; MFG CONFIRMED RESIDUE AND E/CS DATA ARE NEEDED:09/17/19; PER DISCUSSION AT FUW, CAN PURSUE VIA CHEMSAC PROPOSAL, DOING RESIDUE ONLY ON BASIL (WITHOUT DOING A MINT STUDY) TO COVER GH HERBS (THIS WAS DONE FOR PR# 11548):09/24/19; OR CONSIDER IF NEED TO ALSO DO MINT:10/2/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES THE SAME AS IN THE IR-4 RESIDUE TRIAL PLAN FIELD (EXCEPT THE NEED IN CANADA FOR FRESH AND DRY):10/19; CHEMSAC AND CANADA WILL REQUIRE RESIDUE TRIALS ON BOTH REP CROPS, BASIL AND MINT:01/20;

NER-EPA Region-FRD

20-MD216 Ross, Marylee

NCR-EPA Region-FRD

20-WI444 Chapman, Scott

SOR-EPA Region-FRD

20-TX398 Marconi, Cristina

WSR-EPA Region-FRD

20-CA473 Ennes, D. (Kearney)
(decline)

CANADA-EPA Region-FRD

20-NS291 Hanscomb, Darrell
20-QC358 Smaers, Julie
(decline)



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12865	-NONE	A	HOMA	XDE-659 (CORTEVA)	HERBS (GH)	HERB SUBGROUP (19A)

Reason for Need: BOTRYTIS; THERE ARE FEW FUNGICIDES REGISTERED FOR USE ON HERB TRANSPLANTS FOR RETAIL SALE

Use Pattern: (PCR): USE 0.09-0.13 LB A/A; MAKE UP TO 5 FOLIAR APPLIC, 10-14 DAY INTERVAL, 1-DAY PHI; APPLY WHEN CONDITIONS FAVOR DISEASE AND APPLY WITH AN NIS OR NIS BLEND ADJUVANT; DO NOT APPLY BY CHEMIGATION

E/CS Data Requirements: NEED EFFICACY AND CROP SAFETY DATA:09/17/19; CANADA PMC DOING 2 GH EFF TRIALS IN 2020 (ON BASIL), TARGETING BOTRYTIS LEAF BLIGHT:01/20

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4 TRIALS ON BASIL (FRESH ONLY), 1 DECLINE TRIAL; (JOINT STUDY WITH CANADA WHERE DECLINE IS NEEDED ON ONE REP CROP)

Comments: NO KEY EXPORT MARKET NOTED; REQUESTER LISTED HERBS, SPECIFICALLY INCLUDING LAVENDAR, BASIL, PARSLEY, THYME TRANSPLANTS THAT ARE DESTINED FOR RETAIL SALE; COULD BE COVERED BY BASIL AND MINT, REP CROPS FOR THE PROPOSED NEW CROP GROUP 25 HERBS:08/19; MFG CONFIRMED RESIDUE AND E/CS DATA ARE NEEDED:09/17/19; PER DISCUSSION AT FUW, CAN PURSUE VIA CHEMSAC PROPOSAL, DOING RESIDUE ONLY ON BASIL (WITHOUT DOING A MINT STUDY) TO COVER GH HERBS (THIS WAS DONE FOR PR# 11548):09/24/19; OR CONSIDER IF NEED TO ALSO DO MINT:10/2/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES THE SAME AS IN THE IR-4 RESIDUE TRIAL PLAN FIELD (EXCEPT THE NEED IN CANADA FOR FRESH AND DRY):10/19; CHEMSAC AND CANADA WILL REQUIRE RESIDUE TRIALS ON BOTH REP CROPS, BASIL AND MINT:01/20;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MIP08 Hausbeck, Dr. Mary K.



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P12335	<u>LAB</u> -NONE	<u>PRIORITY</u> +	<u>STUDY DIRECTOR</u> BATTS	<u>CHEMICAL (MFG)</u> QUIZALOFOP (AMVAC,GOWAN)	<u>COMMODITY</u> CARINATA (BRASSICA CARINATA)	<u>CROP GROUP</u> RAPESEED SUBGROUP (20A)
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Reason for Need: GRASS WEEDS - NO HERBICIDES LABELED IN THE U.S.

Use Pattern: (PCR): USE THE ASSURE II PRODUCT; MAKE FOLIAR BROADCAST APPLIC OF 0.047 LB AI/A; CANADIAN LABEL SAYS 64-DAY PHI

E/CS Data Requirements: BOTH 2019 E/CS TRIALS FAILED IN SD, AND NEED TO BE REPEATED IN 2020:08/19

E/CS Research Comments: IN 2018 PERFORMANCE PROTOCOL IN 2 SD TRIALS, TESTING ASSURE II AT 0.0412, 0.0825 AND 0.124 LB AI/A RATES (+ ADJUVANT) IN 10-30 GPA (VS A REGISTERED STANDARD), MAKING 1 POST-EMERGENCE FOLIAR BROADCAST APPLIC AT 60 DAYS BEFORE HARVEST; EVALUATING CROP INJURY AND WEED CONTROL AT 1, 7, 14 AND 28 DAYS AFTER APPLIC AND AT HARVEST, AS WELL AS CROP YIELD

IR-4 Residue Trial Plan:

Comments: CAN BE COVERED WITH RAPESEED CROP SUBGROUP 20A TOLERANCE ESTABLISHED AT 1.5 PPM, IF THE USE PATTERN IS THE SAME AS FOR 20A:08/17; MFG CONFIRMED ONLY NEED E/CS DATA:09/17; EPA GREEN:07/19; SUBMITTED TO EPA 10/19 WITH 2020 E/CS STILL ONGOING:01/20; USE ON B. CARINATA IS REGISTERED IN CANADA:06/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-NCP06 Leon, Ramon G
20-FLP12 Devkota, Pratap



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12867	<u>LAB</u> 20-YAR06	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> MOORE,P	<u>CHEMICAL (MFG)</u> S-METOLACHLOR/METOLAC HLOR (SYNGEN,UPL NA)	<u>COMMODITY</u> GOLD-OF-PLEASURE (CAMELINA)	<u>CROP GROUP</u> RAPESEED SUBGROUP (20A)
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Reason for Need: GRASS AND SOME BROADLEAF WEEDS (WILL NOT CONTROL EMERGED WEEDS); THIS IS ONE OF THE ONLY OPTIONS FOR FAIR-GOOD CONTROL OF PIGWEED AND WATERHEMP, TWO OF THE MOST PROBLEMATIC WEEDS OF THE REGION

Use Pattern: (PCR): MAKE ONE BROADCAST APPLIC OF 2 PT/A TO THE SOIL; APPLY IN SPRING, BUT NO LATER THAN EARLY BOLTING; RAIN IS REQUIRED TO INCORPORATE THE PRODUCT

E/CS Data Requirements:

E/CS Research Comments: PER 2020 PERFORMANCE PROTOCOL: TESTING 3 RATES OF DUAL MAGNUM (0.95, 1.90, 3.81 LB AI/A); MAKE 1 PRE-EMERGENCE BROADCAST APPLIC OF EACH TREATMENT, IN 10-40 GPA, AFTER SEEDING AND BEFORE CROP OR WEEDS EMERGE; TO ACTIVATE HERBICIDE, AT LEAST 0.5 INCH OF WATER (RAIN AND/OR IRRIGATION) IS NEEDED WITHIN 7 DAYS AFTER APPLIC; EVALUATE CROP INJURY, WEED CONTROL AND CROP DEVELOPMENT AND YIELD; IN THE SD TRIAL, FOLLOW THE SAME PROTOCOL AND MAKE THE SAME EVALUATIONS, EXCEPT INCLUDE A SECOND APPLIC OF EACH TREATMENT, POSTEMERGENCE TO THE ESTABLISHED CROP JUST BEFORE FLOWER STALK ELONGATION (BOLTING)

IR-4 Residue Trial Plan: ANY 4 TRIALS WHERE THE CROP IS GROWN

Comments: DATA MINING REPORTS FROM XH504 COPIED TO THIS PR#; NO KEY EXPORT MARKET NOTED; CROP REQUESTED WAS WINTER CAMELINA:08/19; MFG MADE RESEARCHABLE:09/17/19; EPA GREEN:12/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-SD378 Reicks, Graig
20-SD379 Reicks, Graig

20-ID190 Meeks, Mr. Will
20-ID191 Meeks, Mr. Will



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12867	-NONE	A	BATTS	S-METOLACHLOR/METOLAC HLOR (SYNGEN,UPL NA)	GOLD-OF-PLEASURE (CAMELINA)	RAPESEED SUBGROUP (20A)

Reason for Need: GRASS AND SOME BROADLEAF WEEDS (WILL NOT CONTROL EMERGED WEEDS); THIS IS ONE OF THE ONLY OPTIONS FOR FAIR-GOOD CONTROL OF PIGWEED AND WATERHEMP, TWO OF THE MOST PROBLEMATIC WEEDS OF THE REGION

Use Pattern: (PCR): MAKE ONE BROADCAST APPLIC OF 2 PT/A TO THE SOIL; APPLY IN SPRING, BUT NO LATER THAN EARLY BOLTING; RAIN IS REQUIRED TO INCORPORATE THE PRODUCT

E/CS Data Requirements:

E/CS Research Comments: PER 2020 PERFORMANCE PROTOCOL: TESTING 3 RATES OF DUAL MAGNUM (0.95, 1.90, 3.81 LB AI/A); MAKE 1 PRE-EMERGENCE BROADCAST APPLIC OF EACH TREATMENT, IN 10-40 GPA, AFTER SEEDING AND BEFORE CROP OR WEEDS EMERGE; TO ACTIVATE HERBICIDE, AT LEAST 0.5 INCH OF WATER (RAIN AND/OR IRRIGATION) IS NEEDED WITHIN 7 DAYS AFTER APPLIC; EVALUATE CROP INJURY, WEED CONTROL AND CROP DEVELOPMENT AND YIELD; IN THE SD TRIAL, FOLLOW THE SAME PROTOCOL AND MAKE THE SAME EVALUATIONS, EXCEPT INCLUDE A SECOND APPLIC OF EACH TREATMENT, POSTEMERGENCE TO THE ESTABLISHED CROP JUST BEFORE FLOWER STALK ELONGATION (BOLTING)

IR-4 Residue Trial Plan: ANY 4 TRIALS WHERE THE CROP IS GROWN

Comments: DATA MINING REPORTS FROM XH504 COPIED TO THIS PR#; NO KEY EXPORT MARKET NOTED; CROP REQUESTED WAS WINTER CAMELINA:08/19; MFG MADE RESEARCHABLE:09/17/19; EPA GREEN:12/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-SDP05 Reicks, Graig

20-MTP01 Miller, Dr Zach
20-ORP02 Felix, J.



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12680	<u>LAB</u> 19-GPR05	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> PIKE	<u>CHEMICAL (MFG)</u> DIURON (ADAMA)	<u>COMMODITY</u> SESAME	<u>CROP GROUP</u> RAPESEED SUBGROUP (20A)
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Reason for Need: WEEDS

Use Pattern: (PCR):

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 1 "RED A" TRIAL IS NEEDED IN REG. 10 IN 2020

Comments: STORAGE STABILITY DATA FROM STUDY 11396 (DIURON + LINURON/SESAME) WILL NOT BE AVAILABLE TILL JULY 2020, SO THREE NEW FIELD TRIALS WILL BE CONDUCTED, AND SEED SAMPLES ANALYZED IMMEDIATELY (FOR DIURON ONLY), FOLLOWING THE USE PATTERN IN PR# 11396; THUS, MOVING SUBMISSION FOR THIS USE FORWARD WILL NOT DEPEND ON STABILITY SAMPLES FROM 11396 SHOWING NO DEGRADATION IN JULY 2020:02/19; EPA CAUTION:12/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-NM282 Hamilton, Cary
(Region 10) to be droppped & repl w/20-
20-CA458 Leach, Nathan
(repl & transf of \$ from 20-NM282)



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P11148	-NONE	+	BATTS	GLUFOSINATE (BASF,UPL NA)	SESAME	RAPESEED SUBGROUP (20A)

Reason for Need: ROUNDUP READY COTTON AND GLYPHOSATE TOLERANT PIGWEED

Use Pattern: (PCR): 29 OZ/A; ONE APPLIC; 1) SOIL: FOR BURNDOWN; 2) SOIL: FOR POST DIRECTED APPLIC, ANY TIME FOR APPLIC IN THE FURROWS; 4-5 WEEKS AFTER PLANTING FOR APPLIC ON UP TO 3 INCH OF THE STEM ABOVE THE GROUND; 3) FOR HARVEST AID - 140-DAY PHI FOR BURNDOWN; 85-DAY PHI FOR POST DIRECTED; 10-DAY PHI; SESAME REQUESTORS HAVE REMOVED THE INTEREST IN THIS PRODUCT BEING USED AS A HARVEST AID (06/16); MFG REQUESTS USE OF 29-43 OZ/A, 7-10 DAY INTERVAL:05/17; MFG CAN SUPPORT PRE-PLANT BURNDOWN AND POST-DIRECTED:05/18

E/CS Data Requirements: MFG HAS REQUESTED PERFORMANCE TRIALS AT 5 SITES, MULTIPLE VARIETIES:11/19

E/CS Research Comments: IN 2020 PERFORMANCE PROTOCOL: TESTING RELY PRODUCT, IN >15 GPA, APPLIED ONCE AT 1.57 LB AI/A AT 3 DIFFERENT TIMINGS RELATED TO SEEDING, AND AT 0.79 AND 1.57 LB AI/A, USING A SHIELDED SPRAYER, DIRECTED AT ROW MIDDLES AT MID-BLOOM STAGE; ADD AMMONIUM SULFATE ADJUVANT (AMS) IN EACH RELY APPLIC; EACH PLOT SHOULD INCLUDE AT LEAST 2 DIFFERENT COMMERCIALY GROWN VARIETIES OF SESAME; ASSESS CROP SAFETY AND CROP YIELD

IR-4 Residue Trial Plan:

Comments: ORIGINAL REQUEST REC'D 9/7/2012; MFG HOLD:05/13; MFG DOES NOT SUPPORT USE AS A DESICCANT/HARVEST AID; MFG WILL REVISIT AFTER RE-REG REVIEW IS COMPLETED BY EPA:05/16; MFG CONFIRMED USE AS A HARVEST AID OR A 1-DAY PHI ARE NOT SUPPORTED; A 140-DAY AND 85-DAY PHI COULD PERHAPS BE SUPPORTED:08/16; EPA CAUTION:09/16; MFG SUPPORTS, WITH RESIDUE AND PERFORMANCE:05/17; EPA CAUTION:08/17; EPA CAUTION:09/18; AT 2018 FUW, BASF CHANGED STATUS FROM RESIDUE + E/CS TO POTENTIAL:09/18

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-TXP01 Marconi, Cristina
 20-TXP02 Dotray, Peter
 20-TXP03 Carpenter, Dr Zac
 (Sesaco - no \$)
 20-TXP04 Carpenter, Dr Zac
 (Sesaco - no \$)
 20-OKP01 Carpenter, Dr Zac
 (Sesaco - no \$)



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12032	-NONE	B	PIKE	ACETAMIPRID (NISSO,UPL NA)	SAFFLOWER	SUNFLOWER SUBGROUP (20B)

Reason for Need: LYGUS HESPERUS, BEET LEAF HOPPER, GREEN STINK BUG

Use Pattern: (PCR): USE THE ASSAIL 70WP PRODUCT; MAKE 4 FOLIAR APPLIC OF 0.1 LB AI/A, 7-DAY INTERVAL, 28-DAY PHI; BY AIR, MINIMUM IS 2 GPA AND BY GROUND IS 5 GPA (MFG CAN SUPPORT UP TO 0.13 LB AI/A:06/18)

E/CS Data Requirements: NEED TO DO PERFORMANCE WORK ON SAFFLOWER AT THE SAME TIME AS ON SUNFLOWER (12668), IN ORDER TO PUT SAFFLOWER ON THE LABEL:06/19; MFG REQUEST 2 EFFICACY TRIALS:11/19

E/CS Research Comments: IN THE 2020 PERFORMANCE PROTOCOL: TEST THE ASSAIL 30 SG PRODUCT AT 0.09 AND 0.18 LB AI/A RATES, FOLIAR APPLIC, VS A STANDARD, APPLIED IN 20-50 GPA; MAKE UP TO 3 APPLIC, AT NO LESS THAN A 7-DAY INTERVAL, BEGINNING WHEN ONE OR MORE OF THE PEST TARGETS IS PRESENT (LYGUS, LEAFHOPPER, STINK BUG, ETC.); DON'T WAIT FOR DAMAGING POPULATIONS TO OCCUR BEFORE FIRST APPLIC; COLLECT DATA ON PEST EFFICACY AND CROP SAFETY; YIELD DATA ARE OPTIONAL

IR-4 Residue Trial Plan: 7-2 10-3

Comments: KEY EXPORT MARKET IS SE ASIA; CONSIDER RESIDUE STUDY ON SUNFLOWER TO COVER ALL OF SUBGROUP 20B:08/16; MFG SUPPORTS, BUT NEEDS PERFORMANCE DATA:09/16; AI IS LABELED FOR LYGUS CONTROL IN COTTON AND STRAWBERRY (0.13 LB AI/A RATE):06/18; EPA GREEN:09/18; CAN BE COVERED BY TOLERANCE FOR SUBGROUP 20B, FROM DATA GENERATED ON SUNFLOWER (PR# 12668):02/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-CAP07	Clark, Nicholas
20-CAP08	Clark, Nicholas



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12750	20-CAR07	A	SAMOIL	PYRIFLUQUINAZON (NAI)	SAFFLOWER	SUNFLOWER SUBGROUP (20B)

Reason for Need: THIS REQUEST IS TO ADDRESS THE 360-DAY ROTATIONAL CROP RESTRICTION TO SAFFLOWER; GROWERS DO NOT INTEND TO APPLY PYRIFLUQUINAZON TO SAFFLOWER; SAFFLOWER IS A ROTATIONAL CROP THAT CAN FOLLOW TOMATOES AND COTTON; GROWERS NEED TO BE ABLE TO APPLY PQZ TO COTTON OR TOMATOES AND BE ABLE TO ROTATE TO SAFFLOWER THE FOLLOWING SEASON

Use Pattern: (PCR): USE PATTERN SHOULD FOLLOW WHAT IS LABELED ON COTTON AND TOMATO; NEED IS FOR A 120-DAY (OR LESS) PLANTBACK; APPLY BY GROUND OR AIR, MINIMUM 5 GPA (ALTHOUGH THE CURRENT FEDERAL LABEL DOES NOT ALLOW AERIAL APPLIC, NOR LESS THAN 20 GPA SPRAY VOLUME); MFG PROPOSED THE FOLLOWING GAP: MAKE 1 APPLIC OF 3.2 FL OZ PRODUCT/A (0.047 LB AI/A, OR 53 G AI/HA), TIMED AT FLOWER INITIATION (FLOWERING BEGINS IN MAY AND IS HARVESTED IN JULY-AUGUST), WITH PHI BASED ON THIS TIMING:10/19

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 7-2 10-3, 1 DECLINE TRIAL, 1 PROCESSING TRIAL (MEAL, REFINED OIL); PER STUDY DIRECTOR, DECLINE NOT NEEDED:11/19

Comments: IS AN EXPORT COMMODITY, BUT NO SPECIFIC MARKETS NOTED; NEED TO EXAMINE WHAT WILL PROVIDE THE QUICKEST RESOLUTION FOR SAFFLOWER GROWERS - A RAC MOR STUDY WITH IN-SEASON APPLIC ON SAFFLOWER OR VIA ANOTHER WAY:06/19; EPA GREEN; TO BE SUPPORTED BY CA SPECIAL GRANT FOR 2020:09/19; MFG SUPPORTS, RESIDUE ONLY TO ESTABLISH THE SEC. 3 REGISTRATION/TOLERANCE, AND SUGGESTS THE USE PATTERN AS INDICATED IN THE PCR USE PATTERN FIELD:10/19; MFG LIKELY WILL SUBMIT IR-4 DATA WITH THEIRS:12/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-SD372 Reicks, Graig
20-SD373 Reicks, Graig

20-CA58 Watkins, S.
(processing)
20-CA57 Skiles, Keri
20-NM283 Hamilton, Cary
(Region 10) - to be repl with 20-CA456
20-CA456 Watkins, S.
No Add'l \$



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12668	-NONE	A	PIKE	ACETAMIPRID (NISSO,UPL NA)	SUNFLOWER	SUNFLOWER SUBGROUP (20B)

Reason for Need: RED SUNFLOWER WEEVIL; POSSIBLE RESISTANCE TO PYRETHROIDS

Use Pattern: (PCR): USE THE ASSAIL PRODUCT; MAKE 4 FOLIAR APPLIC OF 0.1 LB AI/A IN A MINIMUM 5 GPA BY GROUND, 28-DAY PHI (NO INTERVAL BETWEEN APPLIC PROVIDED); HQ RECOMMENDS: 0.18 LB AI/A, 4 APPLIC, 7-14 DAY INTERVAL, 14-DAY PHI

E/CS Data Requirements: NEED TO DO PERFORMANCE WORK ON SAFFLOWER (12032) AT THE SAME TIME AS ON SUNFLOWER, IN ORDER TO PUT SAFFLOWER ON THE LABEL, TOO:06/19; MFG REQUEST 2 EFFICACY TRIALS:11/19

E/CS Research Comments: IN THE 2020 PERFORMANCE PROTOCOL: TEST THE ASSAIL 30 SG PRODUCT AT 0.09 AND 0.18 LB AI/A RATES, FOLIAR APPLIC, VS A STANDARD, APPLIED IN 20-50 GPA; MAKE UP TO 3 APPLIC, AT NO LESS THAN A 7-DAY INTERVAL, BEGINNING WHEN THE PEST TARGET IS PRESENT (RED SUNFLOWER WEEVIL); DON'T WAIT FOR A DAMAGING POPULATION TO OCCUR BEFORE FIRST APPLIC; COLLECT DATA ON PEST EFFICACY AND CROP SAFETY; YIELD DATA ARE OPTIONAL

IR-4 Residue Trial Plan: 5-3 7-4 8; PROCESSING TRIAL (5X, FOR MEAL & REFINED OIL); DECLINE TRIAL

Comments: NO EXPORT MARKETS NOTED; WEEVILS ARE USUALLY DIFFICULT TO CONTROL, AND A HIGHER RATE THAN REQUESTED MIGHT BE NEEDED; CAN COVER TOLERANCE FOR SUBGROUP 20B COMMODITIES, INCLUDING THE USE REQUESTED FOR SAFFLOWER (PR# 12032, WHICH INCLUDES A 28-DAY PHI):01/19; MFG SUPPORTS, RESIDUE AND PERFORMANCE DATA NEEDED:02/19; EPA CAUTION:07/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-SDP03 Reicks, Graig
20-SDP04 Reicks, Graig



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12619	-NONE	+	HOMA	FLUDIOXONIL + PYDIFLUMETOFEN (SYNGEN)	ASPARAGUS	STALK AND STEM VEGETABLE SUBGROUP (22A)

Reason for Need: FUSARIUM; FUSARIUM IS AN ONGOING, CHRONIC PROBLEM FOR THE INDUSTRY

Use Pattern: (PCR): USE THE MIRAVIS PRIME PRODUCT; MAKE 4 SOIL APPLIC OF 10-13.7 FL OZ/A OF PRODUCT, AT 14-DAY INTERVALS, FOLLOWING EMERGENCE OF SEEDLINGS; PHI IS NOT APPLICABLE

E/CS Data Requirements: MFG REQUESTS 3-4 PERFORMANCE TRIALS (CA, MI, MA?), FOCUSING ON THE MIRAVIS SOLO PRODUCT, NOT THE MIXTURE; PROBABLY NEED TO USE HIGH SPRAY VOLUMES TO MOVE THE AI INTO THE SOIL; ASSESS PLANT STAND, VIGOR, AND DISEASE SEVERITY (LESIONS ON STEM ABOVE AND BELOW GROUND);10/18; IR-4 PERFORMANCE WORK FOR THIS REQUEST AND FOR PR# 12622 (THIOPHANATE-METHYL) IS BEING CAPTURED UNDER THIS 12619 REQUEST:11/18

E/CS Research Comments: IN 2019 PERFORMANCE PROTOCOL: TESTING MIRAVIS (0.178 LB AI/A), CANNONBALL WP (0.219 LB AI/A) AND TOPSIN 4.5L (2 RATES: 1.05 AND 2.10 LB AI/A), APPLIED BROADCAST TO SEED BEDS AFTER SEEDING (PRIOR TO EMERGENCE OF CROP), FOLLOWED BY A 2ND BROADCAST APPLIC 21 DAYS LATER; EVALUATE PLANT SAFETY, PLANT STAND, PLANT VIGOR, DISEASE INCIDENCE AND DISEASE SEVERITY/YIELD; IN THE 2020 PERFORMANCE PROTOCOL: FOR FUSARIUM ONLY, TESTING MIRAVIS (0.178 LB AI/A), CANNONBALL WP (0.219 LB AI/A) AND TOPSIN 4.5L (2 RATES: 1.05 AND 2.10 LB AI/A), APPLIED BROADCAST TO SEED BEDS AFTER SEEDING (PRIOR TO EMERGENCE OF CROP), FOLLOWED BY A 2ND BROADCAST APPLIC 21 DAYS LATER; FOR PHYTOPHTHORA ONLY, TESTING PRESIDIO (0.125 LB AI/A) AND RIDOMIL GOLD GR (0.25 LB AI/A) APPLIED BROADCAST TO SEED BEDS FOLLOWING EMERGENCE OF SEEDLINGS, FOLLOWED BY 3 MORE BROADCAST APPLIC AT 21-DAY INTERVALS, VS THE STANDARD RIDOMIL GOLD SL (0.50 LB AI/A) APPLIED IN A BROADCAST OR BANDED SOIL SPRAY AFTER PLANTING SEEDLINGS; EVALUATIONS AS IN 2019

IR-4 Residue Trial Plan:

Comments: NO EXPORT MARKETS NOTED; THIS IS FOR USE IN SEEDLING BEDS, 2-3 YEARS BEFORE FIRST HARVEST (NON-FOOD USE?); THERE ARE NO ASPARAGUS TOLERANCES FOR EITHER AI:08/18; MFG MADE RESEARCHABLE BY 9/13/18 EMAIL; ARE RESIDUES NEEDED, OR SHOULD THIS JUST BE AN E/CS PROJECT?:09/18; AT 2018 FUW MFG CHANGED STATUS FROM RESIDUE + E/CS TO E/CS DATA ONLY:09/18; IR-4 PERFORMANCE WORK FOR THIS REQUEST AND FOR PR# 12622 (THIOPHANATE-METHYL) IS BEING CAPTURED UNDER THIS 12619 REQUEST:11/18; REGISTRANT SUPPORTS MIRAVIS SOLO PRODUCT ONLY:04/19; EPA GREEN (BOTH):09/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-MIP03 Hausbeck, Dr. Mary K.
20-MIP04 Hausbeck, Dr. Mary K.



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12563	-NONE	A	SAMOIL	FLUPYRADIFURONE (BAYER)	OLIVE	TROPICAL AND SUBTROPICAL, SMALL FRUIT, EDIBLE PEEL SUBGROUP (23A)

Reason for Need: OLIVE FRUIT FLY - LARVAE DEVELOP IN FRUIT; INDUSTRY NEEDS MATERIAL TO ROTATE WITH FENPROPATHRIN TO REDUCE RISK OF RESISTANCE DEVELOPMENT

Use Pattern: (PCR): USE THE SIVANTO PRODUCT; MAKE 1-2 FOLIAR APPLIC OF 14 FL OZ PRODUCT/A, IN 100-150 GPA WITH AN AIRBLAST SPRAYER; NO SPRAY INTERVAL OR PHI NOTED

E/CS Data Requirements:

E/CS Research Comments: IN THE 2019 PERFORMANCE PROTOCOL: USING THE SIVANTO 200 SL PRODUCT, TEST LOW AND HIGH AI RATES (0.157 AND 0.183 LB AI/A) AND A 2X AI RATE (0.365 LB AI/A, FOR CROP SAFETY DATA ONLY), VS A REGISTERED STANDARD; MAKE THE FIRST FOLIAR DIRECTED APPLIC (IN 100-150 GPA) WHEN MONITORING TRAPS INDICATE INCREASED PEST PRESSURE, AND MAKE A 2ND APPLIC NO SOONER THAN AT A 14-DAY INTERVAL; ALL APPLIC WILL INCLUDE NU-LURE INSECT BAIT AT A LABELED RATE CONSISTENT WITH LOCAL GROWER PRACTICE; ASSESS CROP INJURY AND PEST CONTROL AT APPROPRIATE INTERVALS DURING THE COURSE OF THE STUDY; CROP YIELD/QUALITY DATA ARE OPTIONAL; THE 2020 PERFORMANCE PROTOCOL FOLLOWS DETAILS IN THE 2019 PROTOCOL

IR-4 Residue Trial Plan: 10-4 (REG 3 TRIAL?); 1 DECLINE;

Comments: IS EXPORT COMMODITY, BUT MARKETS NOT IDENTIFIED:07/18; MFG SUPPORTS (BY 9/18/18 EMAIL), RESIDUE AND E/CS DATA NEEDED:09/18; ADDED TO 2019 RESEARCH PLAN VIA AN ACCEPTED WSR REGIONAL UPGRADE:10/18: EPA YELLOW:12/18; PERFORMANCE PROTOCOL SIGNED AND CATEGORY WILL CHANGE TO E/CS & RESIDUE ON-GOING ONCE MOR PROTOCOL IS SIGNED:01/19; REGISTRANT INDICATED THEY CONDUCTED A STUDY TO DETERMINE THE CONCENTRATION FACTOR, SO NO PROCESSING STUDY IS NEEDED AT THIS TIME:03/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-CAP06 Kron, Cindy



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 09324	<u>LAB</u> 20-CAR13	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> PIKE	<u>CHEMICAL (MFG)</u> CLOFENTEZINE (ADAMA)	<u>COMMODITY</u> LYCHEE	<u>CROP GROUP</u> TROPICAL AND SUBTROPICAL, SMALL FRUIT, INEDIBLE PEEL SUBGROUP (24A)
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Reason for Need: MITES, INCLUDES RUST MITES.

Use Pattern: (PCR): 2-8 OZ/A; 100 GPA; 1 APPLIC/SEASON

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 13-4 (1 DECLINE);

Comments: EPA CAUTION:08/15; EPA CAUTION:08/16; EPA GREEN:08/17; EPA CAUTION:09/18; EPA GREEN CHANGED TO EPA CAUTION:09/19; PRIORITY "B" CHANGED TO "A" TO REPLACE LOST STUDIES FOR 2020:06/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-FL475 Tannenbaum, Rebecca (longan)	20-HI476 Coughlin, Julie
20-FL477 Tannenbaum, Rebecca (\$ in 2020, ft to be conducted in 2021)(dec	
20-PR478 Robles Vazquez, W. (\$ in 2020, ft to be conducted in 2021)	



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
08609	20-MIR06	A	PIKE	INDOXACARB (FMC)	AVOCADO	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, SMOOTH, INEDIBLE PEEL SUBGROUP (24B)

Reason for Need: LOOPERS; FROM PROJECT NOMINATION JUSTIFICATION COMMENTS: AVOCADO LOOPERS CAUSE SEVERE DEFOLIATION AND CAN CAUSE STEM DIEBACK; WITH ITS LARVICIDAL AND OVICIDAL ACTIVITY, IT HAS MINIMAL IMPACT ON BENEFICIALS AND MITES; HAVING ANOTHER LEP PRODUCT WILL PROLONG EFFICACY OF CURRENT IPM FRIENDLY LEP CONTROL; LEP CONTROL ON YOUNG TREES AND LARGE OUTBREAKS ON OLDER TREES WILL KEEP TREE HEALTHY AND LESS STRESSED AND ATTRACTIVE TO LAUREL WILT AMBROSIA BEETLE VECTORS; ALTERNATIVES KILL LEP PREDATORS AND CAUSE OUTBREAKS OF ADDITIONAL PESTS

Use Pattern: (PCR): 4 APPLIC AT 10-14 DAY INTERVALS; 7-DAY PHI

E/CS Data Requirements: MFG REQUIRES CROP SAFETY DATA COLLECTED IN PARALLEL WITH RESIDUE RESEARCH:09/16; ONLY CROP SAFETY DATA FROM RESIDUE TRIALS IS NEEDED:11/19

E/CS Research Comments:

IR-4 Residue Trial Plan: 10-2 TO 4 TRIALS, REST IN 13 TO A MAX OF 5 TRIALS, 1 DECLINE TRIAL

Comments: MFG REQUIRES PERF DATA PRIOR TO REGISTRATION:09/03; EPA CAUTION:08/16; EPA CAUTION:08/17; EPA GREEN:09/18 & 09/19; ONLY CROP SAFETY DATA FROM RESIDUE TRIALS IS NEEDED, SO STATUS CHANGED TO RESIDUE ONLY:11/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-FL123	Tannenbaum, Rebecca	20-CA21	Ennes, D. (Kearney)
20-FL124	Tannenbaum, Rebecca	20-CA22	Leach, Nathan
20-PR339	Robles Vazquez, W.	(Decline)	



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
11460	20-FLR03	A	PIKE	SULFOXAFLO (CORTEVA)	MANGO	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, SMOOTH, INEDIBLE PEEL SUBGROUP (24B)

Reason for Need: WHITEFLIES, PLANT BUGS

Use Pattern: (PCR): 1.5-5.75 OZ/A; 4 FOLIAR APPLIC; 7-10 DAY RE-TREATMENT INTERVALS; 2-DAY PHI (CONSIDER SAME USE PATTERN AS IN EXISTING INT'L STUDY:10/29/19)

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 1-FL 1-PR 1-HI, 1 DECLINE TRIAL

Comments: MFG INDICATES "ISOCLAST" IS ACCEPTED AS COMMON NAME FOR THIS AI:06/14; EPA CAUTION:08/14; MFG SUPPORTS; NEED E/CS DATA TOO:06/15; EPA GREEN:08/16; EPA GREEN:09/18; ALSO SEE PR#s 11822, 12502 & 12503 FOR ON-GOING PROJECTS IN AFRICA:03/19; EPA GREEN:09/19; MFG CONFIRMED ONLY RESIDUE DATA NEEDED, SO STATUS CHANGED TO RESIDUE ONLY:11/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-FL132 Tannenbaum, Rebecca
(Decline)
20-PR348 Robles Vazquez, W.

20-HI179 Coughlin, Julie
(Note: frozen mango fruit cannot be ship)



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
10827	20-MIR07	A	LENNON	AZOXYSTROBIN (SYNGEN)	POMEGRANATE	TROPICAL AND SUBTROPICAL, MEDIUM TO LARGE FRUIT, SMOOTH, INEDIBLE PEEL SUBGROUP (24B)

Reason for Need: ANTHRACNOSE, CERCOSPORA FRUIT SPOT, OTHER FRUIT ROTS CAUSED BY BOTRYOSPHAERIA SPP., PILIDELLA SPP., AND PHOMOPSIS AND/OR GUIGNARDIA SPP.

Use Pattern: (PCR): 0.2-0.25 LB AI/A; IN-SEASON FOLIAR SPRAY USING AIRBLAST SPRAYER; 7-14 DAY INTERVALS; DO NOT APPLY MORE THAN 1.5 LB AI/A/SEASON

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4 TRIALS

Comments: NEED THIS AS A ROTATIONAL PRODUCT IN A SUSTAINABLE DISEASE MANAGEMENT PROGRAM FOR FOLIAR AND FRUIT DISEASES IN SOUTHEAST STATES:09/15; EPA GREEN:09/18 & 09/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-PR346 Robles Vazquez, W.
20-PR347 Robles Vazquez, W.

20-CA30 Watkins, S.
20-CA31 Watkins, S.



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 10630	<u>LAB</u> 20-MIR08	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> PIKE	<u>CHEMICAL (MFG)</u> PERMETHRIN (ADAMA,AMVAC,FMC,UPL NA)	<u>COMMODITY</u> DRAGON FRUIT (PITAYA)	<u>CROP GROUP</u> TROPICAL AND SUBTROPICAL, CACTUS, INEDIBLE PEEL SUBGROUP (24D)
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Reason for Need: STINKBUGS

Use Pattern: (PCR): 0.2 LB A/A; FOLIAR APPLIC; APPLY IN 7-150 GPA; 12-HR REI, 1-DAY PHI

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4 TRIALS, 1 DECLINE TRIAL (ADDED AFTER THE 2019 NRPM)

Comments: DRAGON FRUIT IS EXPECTED TO BECOME A REP CROP, ALONG WITH PRICKLY PEAR FRUIT, FOR THE NEW INEDIBLE PEEL CACTUS SUBGROUP 24D; NO LONGER CAN SECURE TOLERANCE VIA A CHEMSAC PROPOSAL USING OTHER TROPICAL FRUIT DATA:04/14. EPA CAUTION:08/14; EPA (HOLD) CAUTION:08/15; EPA CAUTION:08/16; EPA CAUTION:08/17; EPA CAUTION:09/18; EPA (HOLD) CAUTION CHANGED TO EPA GREEN:09/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-FL126 Tannenbaum, Rebecca
(decline)(stack with 12556.20-FL135)
20-FL127 Tannenbaum, Rebecca
(stack with 12556.20-FL134)
20-PR344 Robles Vazquez, W.
(stack with 12556)
20-PR345 Robles Vazquez, W.
(stack with 12556)

20-HI178 Kam, James



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12556	20-TIR04	A	LENNON	PROPICONAZOLE (ADAMA,SYNGEN)	DRAGON FRUIT (PITAYA)	TROPICAL AND SUBTROPICAL, CACTUS, INEDIBLE PEEL SUBGROUP (24D)

Reason for Need: FUNGI - BIPOLARIS, ANTHRACNOSE; ONLY 1 FUNGICIDE AVAILABLE, MORE NEEDED FOR RESISTANCE MANAGEMENT

Use Pattern: (PCR): USE THE TILT PRODUCT; MAKE 6 FOLIAR APPLIC OF 4-8 FL OZ/A, 7-14 DAY INTERVAL, 0-DAY PHI; BEGIN APPLIC AT FLOWERING AND CONTINUE UNTIL HARVEST; MAKE NO MORE THAN 2 CONSECUTIVE APPLIC BEFORE ROTATING TO ANOTHER MOA FUNGICIDE; MAX 20 FL OZ/A/YR

E/CS Data Requirements:

E/CS Research Comments: PER THE 2020 PERFORMANCE PROTOCOL: TESTING TILT 3.6E PRODUCT (3.6 LB AI/GAL) (PLUS NIS ADJUVANT - DO NOT USE AN ORGANO-SILICONE ADJUVANT) VS ABOUND STANDARD; MAKE 5 FOLIAR DIRECTED APPLIC OF 0.1125 LB AI/A (AIRBLAST OR HANDGUN) IN 80-200 GPA, 7-DAY INTERVAL, STARTING AT FLOWERING AND WHEN CONDITIONS ARE FAVORABLE FOR BIPOLARIS, ANTHRACNOSE AND FRUIT ROT PATHOGENS; EVALUATE CROP SAFETY AND EFFICACY ON FRUIT AND FOLIAGE

IR-4 Residue Trial Plan: ANY 4 TRIALS, 1 DECLINE TRIAL (ADDED AFTER THE 2019 NRPM)

Comments: NO EXPORT MARKET NOTED:07/18; MFG MADE RESEARCHABLE BY 9/13/18 EMAIL:09/18; EPA GREEN:09/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-FL134 Tannenbaum, Rebecca (decline)(stack with 10630.20-FL127)	20-HI180 Kam, James
20-FL135 Tannenbaum, Rebecca (stack with 10630.20-FL126)	
20-PR349 Robles Vazquez, W. (stack with 10630)	
20-PR350 Robles Vazquez, W. (stack with 10630)	



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12556	-NONE	A	HOMA	PROPICONAZOLE (ADAMA,SYNGEN)	DRAGON FRUIT (PITAYA)	TROPICAL AND SUBTROPICAL, CACTUS, INEDIBLE PEEL SUBGROUP (24D)

Reason for Need: FUNGI - BIPOLARIS, ANTHRACNOSE; ONLY 1 FUNGICIDE AVAILABLE, MORE NEEDED FOR RESISTANCE MANAGEMENT

Use Pattern: (PCR): USE THE TILT PRODUCT; MAKE 6 FOLIAR APPLIC OF 4-8 FL OZ/A, 7-14 DAY INTERVAL, 0-DAY PHI; BEGIN APPLIC AT FLOWERING AND CONTINUE UNTIL HARVEST; MAKE NO MORE THAN 2 CONSECUTIVE APPLIC BEFORE ROTATING TO ANOTHER MOA FUNGICIDE; MAX 20 FL OZ/A/YR

E/CS Data Requirements:

E/CS Research Comments: PER THE 2020 PERFORMANCE PROTOCOL: TESTING TILT 3.6E PRODUCT (3.6 LB AI/GAL) (PLUS NIS ADJUVANT - DO NOT USE AN ORGANO-SILICONE ADJUVANT) VS ABOUND STANDARD; MAKE 5 FOLIAR DIRECTED APPLIC OF 0.1125 LB AI/A (AIRBLAST OR HANDGUN) IN 80-200 GPA, 7-DAY INTERVAL, STARTING AT FLOWERING AND WHEN CONDITIONS ARE FAVORABLE FOR BIPOLARIS, ANTHRACNOSE AND FRUIT ROT PATHOGENS; EVALUATE CROP SAFETY AND EFFICACY ON FRUIT AND FOLIAGE

IR-4 Residue Trial Plan: ANY 4 TRIALS, 1 DECLINE TRIAL (ADDED AFTER THE 2019 NRPM)

Comments: NO EXPORT MARKET NOTED:07/18; MFG MADE RESEARCHABLE BY 9/13/18 EMAIL:09/18; EPA GREEN:09/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-FLP07 Crane, Dr. Jonathan H.
20-FLP08 Gazis, Dr. Romina



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12560	19-TIR02	A	LENNON	PROPICONAZOLE (ADAMA,SYNGEN)	PASSIONFRUIT	TROPICAL AND SUBTROPICAL, VINE, INEDIBLE PEEL SUBGROUP (24E)

Reason for Need: FUNGAL PATHOGENS ON FRUIT - ALTERNARIA; ADDITIONAL ROTATIONAL MATERIALS ARE NEEDED IF RESISTANCE MANAGEMENT IS TO BE EFFECTIVE

Use Pattern: (PCR): USE THE TILT PRODUCT; MAKE 6 FOLIAR APPLIC OF 4-6 OZ/A, 7-14 DAY INTERVAL, 0-DAY PHI; BEGIN APPLIC AT FRUIT SET AND CONTINUE UNTIL HARVEST; ROTATE WITH OTHER CHEMISTRY AFTER 2 CONSECUTIVE APPLIC; DO NOT APPLY MORE THAN 20 OZ/AYR

E/CS Data Requirements: MFG REQUESTS 3-4 PERFORMANCE TRIALS; ASSESS DISEASE ON FRUIT AND FOLIAGE:10/18

E/CS Research Comments: PER 2019 PERFORMANCE PROTOCOL: TEST PROPICONAZOLE AT 0.1125 LB AI/A, IN 80-200 GPA, VS AZOXYSTROBIN + DIFENOCONAZOLE, USING FOLIAR DIRECTED, AIR BLAST OR HANDGUN APPLIC; MAKE 5 APPLIC OF TILT, 7-DAY INTERVALS WHEN FAVORABLE CONDITIONS FOR FUNGAL PATHOGENS ON FRUIT, INCLUDING ALTERNARIA, ARE PRESENT; MAKE 4 APPLIC OF QUADRI TOP AT 7-DAY INTERVALS; EVALUATE CROP INJURY AT LEAST TWICE DURING THE TRIAL, ON FRUIT AND FOLIAGE; AND MAKE DISEASE INCIDENCE AND SEVERITY ASSESSMENTS ON FRUIT AND FOLIAGE; PER 2020 PERFORMANCE PROTOCOL: TESTING SIMILAR TREATMENTS AND USE PATTERNS TO 2019 RESEARCH, AND COLLECTING SIMILAR DATA

IR-4 Residue Trial Plan: 13-4; 1 DECLINE (2 OF THESE ARE "RED A" TRIALS IN 2020)

Comments: NO EXPORT MARKET NOTED; IS A REP CROP FOR SUBGROUP 24E:07/18; MFG MADE RESEARCHABLE BY 9/13/18 EMAIL:09/18: EPA YELLOW:12/18; RESEARCHABLE, RESIDUE & E/CS DATA NEEDED - RESIDUE PROTOCOL SIGNED 03/19, STILL NEED E/CS PROTOCOL:03/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-FL136 Tannenbaum, Rebecca
20-PR351 Robles Vazquez, W.



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P12560	<u>LAB</u> -NONE	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> HOMA	<u>CHEMICAL (MFG)</u> PROPICONAZOLE (ADAMA,SYNGEN)	<u>COMMODITY</u> PASSIONFRUIT	<u>CROP GROUP</u> TROPICAL AND SUBTROPICAL, VINE, INEDIBLE PEEL SUBGROUP (24E)
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Reason for Need: FUNGAL PATHOGENS ON FRUIT - ALTERNARIA; ADDITIONAL ROTATIONAL MATERIALS ARE NEEDED IF RESISTANCE MANAGEMENT IS TO BE EFFECTIVE

Use Pattern: (PCR): USE THE TILT PRODUCT; MAKE 6 FOLIAR APPLIC OF 4-6 OZ/A, 7-14 DAY INTERVAL, 0-DAY PHI; BEGIN APPLIC AT FRUIT SET AND CONTINUE UNTIL HARVEST; ROTATE WITH OTHER CHEMISTRY AFTER 2 CONSECUTIVE APPLIC; DO NOT APPLY MORE THAN 20 OZ/AYR

E/CS Data Requirements: MFG REQUESTS 3-4 PERFORMANCE TRIALS; ASSESS DISEASE ON FRUIT AND FOLIAGE:10/18

E/CS Research Comments: PER 2019 PERFORMANCE PROTOCOL: TEST PROPICONAZOLE AT 0.1125 LB AI/A, IN 80-200 GPA, VS AZOXYSTROBIN + DIFENOCONAZOLE, USING FOLIAR DIRECTED, AIR BLAST OR HANDGUN APPLIC; MAKE 5 APPLIC OF TILT, 7-DAY INTERVALS WHEN FAVORABLE CONDITIONS FOR FUNGAL PATHOGENS ON FRUIT, INCLUDING ALTERNARIA, ARE PRESENT; MAKE 4 APPLIC OF QUADRI TOP AT 7-DAY INTERVALS; EVALUATE CROP INJURY AT LEAST TWICE DURING THE TRIAL, ON FRUIT AND FOLIAGE; AND MAKE DISEASE INCIDENCE AND SEVERITY ASSESSMENTS ON FRUIT AND FOLIAGE; PER 2020 PERFORMANCE PROTOCOL: TESTING SIMILAR TREATMENTS AND USE PATTERNS TO 2019 RESEARCH, AND COLLECTING SIMILAR DATA

IR-4 Residue Trial Plan: 13-4; 1 DECLINE (2 OF THESE ARE "RED A" TRIALS IN 2020)

Comments: NO EXPORT MARKET NOTED; IS A REP CROP FOR SUBGROUP 24E:07/18; MFG MADE RESEARCHABLE BY 9/13/18 EMAIL:09/18: EPA YELLOW:12/18; RESEARCHABLE, RESIDUE & E/CS DATA NEEDED - RESIDUE PROTOCOL SIGNED 03/19, STILL NEED E/CS PROTOCOL:03/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-FLP02	Crane, Dr. Jonathan H.
20-FLP03	Gazis, Dr. Romina



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12908	20-YAR07	A	MOORE,P	S-METOLACHLOR/METOLAC HLOR (SYNGEN,UPL NA)	CHIA	MISC GROUP (99)

Reason for Need: HQ CREATED THIS PR# FOR THE S-METOLACHLOR RESIDUE STUDY THAT IS NEEDED:10/19; FROM PR# 11666 SULFENTRAZONE + S-METOLACHLOR: GRASSY AND BROADLEAF WEEDS; NEW CROP WITH NO LABELED HERBICIDES; PER KY & TX ME-TOO REQUESTS, THIS AI COMBO IS NEEDED FOR MORE EFFECTIVE WEED CONTROL, ESPECIALLY IF CHIA IS TO BECOME A VIABLE OPTION FOR LARGER-SCALE COMMERCIAL PRODUCTION IN THE U.S.

Use Pattern: (PCR): FROM PR# 11666 SULFENTRAZONE + S-METOLACHLOR: MAKE ONE PREPLANT OR PREEMERGENCE SOIL APPLIC OF 24-32 FL OZ/A OF FORMULATED PRODUCT "AUTHORITY ELITE"; NO PHI NOTED; INCORPORATE APPLIC TO 2 INCHES IF LESS THAN 0.5 INCHES OF RAIN/IRRIGATION OCCURS WITHIN 7-10 DAYS OF APPLIC (S-MOC RATE SHOULD MATCH THE RATE AT WHICH IT WOULD BE APPLIED IN THE DUAL PRODUCT USE PATTERN REQUESTED:10/19)

E/CS Data Requirements: NEEDS TO BE CONFIRMED BY FMC:05/17

E/CS Research Comments: PER 2020 PERFORMANCE PROTOCOL: TESTING 3 RATES OF AUTHORITY ELITE (SULFENTRAZONE + S-METOLACHLOR, AT 0.64, 1.27, 2.53 LB A/A); MAKE 1 PRE-EMERGENCE BROADCAST APPLIC OF EACH TREATMENT, IN 10-40 GPA, AFTER SEEDING AND BEFORE CROP OR WEEDS EMERGE; TO ACTIVATE HERBICIDE, AT LEAST 0.5 INCH OF WATER (RAIN AND/OR IRRIGATION) IS NEEDED WITHIN 7 DAYS AFTER APPLIC; EVALUATE CROP INJURY, WEED CONTROL AND CROP YIELD/GRADES

IR-4 Residue Trial Plan: ANY 4 TRIALS WHERE THE CROP IS GROWN

Comments: FROM PR# 11666 SULFENTRAZONE + S-METOLACHLOR: FOR SULFENTRAZONE CAN EXPLORE REQUESTING CHIA TOLERANCE BASED ON ESTABLISHED REGIONAL WHEAT TOLERANCE, BUT FOR S-METOLACHLOR RESIDUE DATA ARE NEEDED:04/15; BOTH MFGS ARE SUPPORTIVE:08/15; AN IR-4 PROPOSAL HAS BEEN SUBMITTED TO CHEMSAC TO TRANSLATE THE REGIONAL WHEAT GRAIN SULFENTRAZONE TOLERANCE TO CHIA:09/15; PROPOSAL WAS ACCEPTED TO EXTRAPOLATE FROM THE EXISTING 0.15 PPM SULFENTRAZONE TOLERANCE WITH REGIONAL REGISTRATION FOR WHEAT GRAIN TO CHIA:10/15; S-METOLACHLOR IS AN EPA CAUTION:08/16; SULFENTRAZONE & S-METOLACHLOR- EPA GREENS:08/17; EPA GREEN:09/18; SYNGENTA WILL SUPPORT SOLO DUAL MAGNUM FOR THIS NEED, BUT NOT THE DUAL AI PRODUCT:05/19; EPA GREEN (BOTH):09/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-CA122	Kyser, Guy
20-ID192	Meeks, Mr. Will
20-OR338	Lightle, Dani
20-WA426	Maupin, Brian



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
P12908	-NONE	A	BATTS	S-METOLACHLOR/METOLAC HLOR (SYNGEN,UPL NA)	CHIA	MISC GROUP (99)

Reason for Need: HQ CREATED THIS PR# FOR THE S-METOLACHLOR RESIDUE STUDY THAT IS NEEDED:10/19; FROM PR# 11666 SULFENTRAZONE + S-METOLACHLOR: GRASSY AND BROADLEAF WEEDS; NEW CROP WITH NO LABELED HERBICIDES; PER KY & TX ME-TOO REQUESTS, THIS AI COMBO IS NEEDED FOR MORE EFFECTIVE WEED CONTROL, ESPECIALLY IF CHIA IS TO BECOME A VIABLE OPTION FOR LARGER-SCALE COMMERCIAL PRODUCTION IN THE U.S.

Use Pattern: (PCR): FROM PR# 11666 SULFENTRAZONE + S-METOLACHLOR: MAKE ONE PREPLANT OR PREEMERGENCE SOIL APPLIC OF 24-32 FL OZ/A OF FORMULATED PRODUCT "AUTHORITY ELITE"; NO PHI NOTED; INCORPORATE APPLIC TO 2 INCHES IF LESS THAN 0.5 INCHES OF RAIN/IRRIGATION OCCURS WITHIN 7-10 DAYS OF APPLIC (S-MOC RATE SHOULD MATCH THE RATE AT WHICH IT WOULD BE APPLIED IN THE DUAL PRODUCT USE PATTERN REQUESTED:10/19)

E/CS Data Requirements: NEEDS TO BE CONFIRMED BY FMC:05/17

E/CS Research Comments: PER 2020 PERFORMANCE PROTOCOL: TESTING 3 RATES OF AUTHORITY ELITE (SULFENTRAZONE + S-METOLACHLOR, AT 0.64, 1.27, 2.53 LB A/A); MAKE 1 PRE-EMERGENCE BROADCAST APPLIC OF EACH TREATMENT, IN 10-40 GPA, AFTER SEEDING AND BEFORE CROP OR WEEDS EMERGE; TO ACTIVATE HERBICIDE, AT LEAST 0.5 INCH OF WATER (RAIN AND/OR IRRIGATION) IS NEEDED WITHIN 7 DAYS AFTER APPLIC; EVALUATE CROP INJURY, WEED CONTROL AND CROP YIELD/GRADES

IR-4 Residue Trial Plan: ANY 4 TRIALS WHERE THE CROP IS GROWN

Comments: FROM PR# 11666 SULFENTRAZONE + S-METOLACHLOR: FOR SULFENTRAZONE CAN EXPLORE REQUESTING CHIA TOLERANCE BASED ON ESTABLISHED REGIONAL WHEAT TOLERANCE, BUT FOR S-METOLACHLOR RESIDUE DATA ARE NEEDED:04/15; BOTH MFGS ARE SUPPORTIVE:08/15; AN IR-4 PROPOSAL HAS BEEN SUBMITTED TO CHEMSAC TO TRANSLATE THE REGIONAL WHEAT GRAIN SULFENTRAZONE TOLERANCE TO CHIA:09/15; PROPOSAL WAS ACCEPTED TO EXTRAPOLATE FROM THE EXISTING 0.15 PPM SULFENTRAZONE TOLERANCE WITH REGIONAL REGISTRATION FOR WHEAT GRAIN TO CHIA:10/15; S-METOLACHLOR IS AN EPA CAUTION:08/16; SULFENTRAZONE & S-METOLACHLOR- EPA GREENS:08/17; EPA GREEN:09/18; SYNGENTA WILL SUPPORT SOLO DUAL MAGNUM FOR THIS NEED, BUT NOT THE DUAL AI PRODUCT:05/19; EPA GREEN (BOTH):09/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-KYP02 Carter, Sara

20-ORP01 Peachey, Ed



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 09498	<u>LAB</u> 20-FLR02	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> PIKE	<u>CHEMICAL (MFG)</u> 2,4-D (AMINE)(TASK FORCE) (TASK)	<u>COMMODITY</u> COFFEE	<u>CROP GROUP</u> MISC GROUP (99)
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Reason for Need: BROADLEAF WEEDS INCLUDING MORNING GLORY; PER PROJECT NOMINATION JUSTIFICATION COMMENTS: A GLYPHOSATE ALTERNATIVE WOULD BE HELPFUL FOR RESISTANCE MANAGEMENT; WILL PROVIDE CONTROL OF DIFFICULT TO CONTROL WEEDS, INCLUDING MORNING GLORY, AND WILL OFFER AN ADDITIONAL CHEMICAL CONTROL OPTION

Use Pattern: (PCR): 1.425 LB AE/A (3 PTS PRODUCT/A); MIN OF 10 GAL/A BY GROUND; DIRECTED TO ORCHARD FLOOR, UP TO 4 TIMES/YEAR; DO NOT ALLOW SPRAY TO CONTACT CROP FOLIAGE; 1-DAY PHI

E/CS Data Requirements: ANY

E/CS Research Comments:

IR-4 Residue Trial Plan: 13-5, 1 5X TRIAL FOR PROCESSING (ROASTED, INSTANT)

Comments: MFG REQUIRES MUTILPLE YEAR AND LOCATIONS OF CROP SAFETY DATA PRIOR TO SUPPORTING RESIDUE DATA:08/05; 2,4-D TASK FORCE RE-REVIEWING (WSR VERBAL WORKSHOP):09/07; TASK FORCE SUPPORTS THIS USE, RESIDUE ONLY:09/17;EPA GREEN:09/18 & 09/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-PR342 Robles Vazquez, W.
20-PR343 Robles Vazquez, W.

20-HI175 Kam, James
(Processing)
20-HI176 Kam, James
20-HI177 Kam, James



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 09493	<u>LAB</u> 19-MIR05	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> JOLLY	<u>CHEMICAL (MFG)</u> GLUFOSINATE (BASF,UPL NA)	<u>COMMODITY</u> COFFEE	<u>CROP GROUP</u> MISC GROUP (99)
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Reason for Need: WEEDS, BROADLEAF AND GRASSES; PER 12/18 PR ME-TOO, NEED NEW HERBICIDES FOR WEED CONTROL AT PLANTING NEW COFFEE PLANTATIONS AND TO MAINTAIN WEED-FREE ROW MIDDLES THROUGH THE SEASON; PER PROJECT NOMINATION JUSTIFICATION COMMENTS: IS A MUCH SAFER ALTERNATIVE TO PARAQUAT FOR APPLICATORS; IS NEEDED FOR BROADLEAF AND GRASS WEED CONTROL; IS AN ALTERNATIVE TO GLYPHOSATE WHICH WILL AID IN RESISTANCE MANAGEMENT

Use Pattern: (PCR): 1-1.5 LB AI/A; MIN 20 GPA SPRAY VOLUME, 30 PSI; DIRECTED SPRAY, BROADCAST OVER ROW MIDDLES OR SPOT TREATMENT; MAX 4.5 GAL/A/YEAR; 1-DAY PHI

E/CS Data Requirements: BASF REQUIRES ONLY CROP SAFETY DATA, AND WILL SUPPORT WITH 50% OF FUNDING REQUIRED; NEED 3 TRIALS IN HI AND 3 IN PR; 2019 TRIALS ARE TO BE CONTINUED ON THE SAME COFFEE PLANTS IN 2020; NEED TO TEST 1X, 2X, 4X RATES VS A STANDARD:10/18

E/CS Research Comments:

IR-4 Residue Trial Plan: 13-5; 1 PROCESSING - 5X RATE; NEED 2 "RED A" TRIALS IN PR IN 2020 ("RED A" PROCESSING TRIAL IS NOT NEEDED IN HI -- 2019 TRIAL COMPLETED SUCCESSFULLY)

Comments: ORIGINAL REQUEST REC'D 5/9/2005; MFG HOLD:05/05; MFG WILL REVISIT AFTER RE-REG REVIEW IS COMPLETED BY EPA:04/09; MFG WILL REVISIT AFTER RE-REG REVIEW IS COMPLETED BY EPA:05/16; MFG HAS COMPLETED RESIDUE TRIALS TO SUPPORT IMPORT TOLERANCE (DID NOT SUBMIT FOR THIS:05/17), SO # OF RESIDUE TRIALS NEEDED COULD BE REDUCED; MFG SUPPORTS (RESIDUE + E/CS DATA):08/16; EPA CAUTION:09/16; EPA CAUTION:08/17; EPA CAUTION:09/18; PROCESSING LAB START DATE 12/16/19:01/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-PR340 Robles Vazquez, W.
20-PR341 Robles Vazquez, W.



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> P9493	<u>LAB</u> -NONE	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> BATTS	<u>CHEMICAL (MFG)</u> GLUFOSINATE (BASF,UPL NA)	<u>COMMODITY</u> COFFEE	<u>CROP GROUP</u> MISC GROUP (99)
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Reason for Need: WEEDS, BROADLEAF AND GRASSES; PER 12/18 PR ME-TOO, NEED NEW HERBICIDES FOR WEED CONTROL AT PLANTING NEW COFFEE PLANTATIONS AND TO MAINTAIN WEED-FREE ROW MIDDLES THROUGH THE SEASON; PER PROJECT NOMINATION JUSTIFICATION COMMENTS: IS A MUCH SAFER ALTERNATIVE TO PARAQUAT FOR APPLICATORS; IS NEEDED FOR BROADLEAF AND GRASS WEED CONTROL; IS AN ALTERNATIVE TO GLYPHOSATE WHICH WILL AID IN RESISTANCE MANAGEMENT

Use Pattern: (PCR): 1-1.5 LB AI/A; MIN 20 GPA SPRAY VOLUME, 30 PSI; DIRECTED SPRAY, BROADCAST OVER ROW MIDDLES OR SPOT TREATMENT; MAX 4.5 GAL/A/YEAR; 1-DAY PHI

E/CS Data Requirements: BASF REQUIRES ONLY CROP SAFETY DATA, AND WILL SUPPORT WITH 50% OF FUNDING REQUIRED; NEED 3 TRIALS IN HI AND 3 IN PR; 2019 TRIALS ARE TO BE CONTINUED ON THE SAME COFFEE PLANTS IN 2020; NEED TO TEST 1X, 2X, 4X RATES VS A STANDARD:10/18

E/CS Research Comments:

IR-4 Residue Trial Plan: 13-5; 1 PROCESSING - 5X RATE; NEED 2 "RED A" TRIALS IN PR IN 2020 ("RED A" PROCESSING TRIAL IS NOT NEEDED IN HI -- 2019 TRIAL COMPLETED SUCCESSFULLY)

Comments: ORIGINAL REQUEST REC'D 5/9/2005; MFG HOLD:05/05; MFG WILL REVISIT AFTER RE-REG REVIEW IS COMPLETED BY EPA:04/09; MFG WILL REVISIT AFTER RE-REG REVIEW IS COMPLETED BY EPA:05/16; MFG HAS COMPLETED RESIDUE TRIALS TO SUPPORT IMPORT TOLERANCE (DID NOT SUBMIT FOR THIS:05/17), SO # OF RESIDUE TRIALS NEEDED COULD BE REDUCED; MFG SUPPORTS (RESIDUE + E/CS DATA):08/16; EPA CAUTION:09/16; EPA CAUTION:08/17; EPA CAUTION:09/18; PROCESSING LAB START DATE 12/16/19:01/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-HIP01	Coughlin, Julie
20-HIP02	Coughlin, Julie



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12834	20-CAR11	A	SAMOIL	FLUTIANIL (LANDIS,NAI,OATAGRIO)	HEMP	MISC GROUP (99)

Reason for Need: POWDERY MILDEW; THIS PRODUCT IS REDUCED RISK AND POWDERY MILDEW IS A CRITICAL PROBLEM FOR BOTH FIELD AND GH HEMP PRODUCTION; PER KY ME-TOO REQUEST, POWDERY MILDEW IS SEVERE IN HEMP IN KY, ESPECIALLY ON GH-GROWN HEMP; PER NC ME-TOO REQUEST, THERE ARE NO EFFECTIVE PESTICIDES AVAILABLE FOR DISEASE CONTROL:09/19

Use Pattern: (PCR): USE GATTEN; MAKE APPLIC VIA FOLIAR OR OVERHEAD CHEMIGATION; ALL OTHER USE PATTERN DETAILS ARE NOTED AS "PER LABEL"

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan:

Comments: REQUEST SUBMITTED FOR HEMP FIELD AND GREENHOUSE; NO KEY EXPORT MARKET NOTED; MFG SUPPORTS THIS REQUEST, AND POSSIBLY WILL ASSIST WITH THE FIELD RESEARCH, ANALYSIS OF SAMPLES AND FINANCIAL GRANT TO OFFSET COSTS:08/19; IR-4 DECIDED E/CS DATA ARE NEEDED FIRST, BEFORE RESIDUE STUDY, BUT MFG CONFIRMED NO CROP SAFETY CONCERNS, SO THE REQUEST IS RESEARCHABLE, RESIDUE DATA ONLY:10/19; PRIORITY "B" CHANGED TO PRIORITY "A" AS THIS STUDY REPLACED PR#12771 (AZOXYSTROBIN/HEMP) ON THE 2020 TENTATIVE SCHEDULE:05/20; EPA GREEN: 08/20

NER-EPA Region-FRD

20-MD148 Ross, Marylee
(fiber/seed)(orig FL148 under 12771)

NCR-EPA Region-FRD

20-WI437 Heider, Daniel J.
(fiber/seed)(field)
20-WI438 Chapman, Scott
(CBD-oil)(greenhouse)

SOR-EPA Region-FRD

20-FL147 Long, Michael
(fiber/seed)
20-NC247 Batts, Roger B.
(CBD-oil)

WSR-EPA Region-FRD

20-CA61 Kyser, Guy
(or UC Davis)(CBD-oil)(processing)
20-CO120 Oman, Clark (CAT)
(fiber/seed)(processing)
20-OR331 Lightle, Dani
(CBD-oil)

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12839	<u>LAB</u> 20-STR07	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> SAMOIL	<u>CHEMICAL (MFG)</u> XDE-659 (CORTEVA)	<u>COMMODITY</u> HOPS	<u>CROP GROUP</u> MISC GROUP (99)
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Reason for Need: HOP POWDERY MILDEW; THERE'S A CRITICAL NEED FOR AN ADDITIONAL POWDERY MILDEW FUNGICIDE, DUE TO THE IMPENDING LOSS OF THE MRL FOR QUINOXYFEN IN THE EU MARKET DUE TO THE CUT-OFF CRITERIA

Use Pattern: (PCR): USE XDE-659; MAKE UP TO 3 FOLIAR APPLIC OF 0.13 LB AI/A 150 G AI/HA),10-14 DAY INTERVAL, MINIMUM 30 GPA, 7-DAY PHI; FOR OPTIMUM EFFICACY APPLY BEFORE VISIBLE SYMPTOMS OF MILDEW APPEAR; APPLY WITH A NIS OF NIS BLEND, BUT NOT WITH ANY ADDITIVE CONTAINING LATEXES; USE SHOULD NOT BE MORE THAN 30% OF THE TOTAL FUNGICIDE SPRAYS (NO MORE THAN 2 CONSECUTIVE APPLIC BEFORE ROTATING TO AN EFFECTIVE FUNGICIDE WITH A DIFFERENT MODE OF ACTION; APPLY UNIFORMLY BY GROUND ONLY

E/CS Data Requirements:

E/CS Research Comments: PMC/CANADA IS CONDUCTING 1 EFF TRIAL IN BC IN 2020, TARGETING POWDERY MILDEW:12/19

IR-4 Residue Trial Plan: NAFTA SITES: 5 11-3 12, 1 DECLINE TRIAL

Comments: KEY EXPORT MARKETS INCLUDE EU, JAPAN, CANADA, SE ASIA, CENTRAL & SOUTH AMERICA; MFG SUPPORTS, RESIDUE AND E/CS, AND POSSIBLY WILL ASSIST WITH SAMPLE ANALYSIS:08/19; MFG CONFIRMED ONLY RESIDUE DATA NEEDED; EFFICACY TRIALS ARE UNDERWAY:09/17/19; CANADIAN INTEREST FOR JOINT STUDY, WITH NAFTA TRIAL SITES INDICATED IN THE IR-4 RESIDUE TRIAL PLAN FIELD (SAME AS WHAT US TRIAL SITES WERE):10/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-WI443 Heider, Daniel J.

20-ID187 Meeks, Mr. Will
 20-ID188 Meeks, Mr. Will
 20-WA422 Peng, Wilson
 (Decline)

20-BC15 Clodius, Markus
 20-ON321 Wismer, R.J.



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12752	20-FLR10	A	LENNON	FLUAZAINDOLIZINE (CORTEVA)	MINT	MISC GROUP (99)

Reason for Need: NEMATODES (ROOT KNOT, ROOT LESION, PIN); THE U.S. MINT CROP ONLY HAS TWO PRODUCTS REGISTERED FOR NEMATODE CONTROL, AND BOTH ARE UNDER REGISTRATION SCRUTINY; MINT NEEDS MORE OPTIONS AVAILABLE

Use Pattern: (PCR): USE THE SALIBRO PRODUCT; APPLY VIA SOIL APPLIC; OTHER USE PATTERN DETAILS NOT PROVIDED

E/CS Data Requirements:

E/CS Research Comments: MFG REQUESTS CONSULTATION ON TRIAL LOCATIONS, TREATMENT LIST, RATES, TIMINGS

IR-4 Residue Trial Plan: 5-2 11-3, 2 5X PROCESSING TRIALS (OIL), 1 DECLINE NOW NEEDED:03/20

Comments: KEY EXPORT MARKET NOTED AS THE EU; WA ME-TOO REQUEST INDICATES 90% OF MINT IS DOUBLE-CUT JUNE & SEPT, AND 10% IS SINGLE CUT LATE AUG OR SEPT:06/19; MFG CONFIRMED STATUS CHANGE TO POTENTIAL, E/CS BEFORE RESIDUE:09/20/19; MFG APPROVED, FOR RESIDUE ONLY, AT FUW:09/24/19

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-WI432 Heider, Daniel J.
20-WI433 Heider, Daniel J.
(oil - processing)

20-ID185 Meeks, Mr. Will
20-WA414 Peng, Wilson
20-WA*415 Larson, Duane
(oil - processing)
20-ID184 Meeks, Mr. Will
(decline)



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12564	<u>LAB</u> 20-MIR09	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> BARNEY	<u>CHEMICAL (MFG)</u> ABAMECTIN (AMVAC,SYNGEN)	<u>COMMODITY</u> MIRACLE FRUIT	<u>CROP GROUP</u> MISC GROUP (99)
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Reason for Need: MITES WHICH DEFOLIATE BUSHES, DECREASE YIELDS, WEAKEN PLANTS; NOTHING TO CONTROL MITES ON THIS CROP

Use Pattern: (PCR): USE THE AGRI-MEK SC PRODUCT; MAKE 2 FOLIAR APPLIC OF 1.75-3.5 OZ PRODUCT/A, 14-30 DAY INTERVAL, 14-DAY PHI; SCOUT FOR MITES AND APPLY WHEN PRESENT

E/CS Data Requirements: MFG INDICATES IF MITE(S) OF INTEREST ARE NOT ON THE CURRENT AGRI-MEK LABEL, NEED DATA:05/19

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4 TRIALS; NEED 2 "RED A" TRIALS IN 2021

Comments: NO EXPORT MARKETS NOTED; THIS CROP IS PROPOSED TO BE IN THE SPICE CROP GROUP 26; THERE IS NO TOLERANCE FOR DILL OR SPICE SUBGROUP 19B:07/18; MFG MADE RESEARCHABLE:05/19; EPA CAUTION:09/19; CATEGORY "RESEARCHABLE, RESIDUE & E/CS DATA NEEDED" - RESIDUE PROTOCOL SIGNED 2/4/20 & NO E/CS ON THE WSPRY FOR 2020:02/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-FL137	Tannenbaum, Rebecca
20-FL138	Tannenbaum, Rebecca



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u>	<u>LAB</u>	<u>PRIORITY</u>	<u>STUDY DIRECTOR</u>	<u>CHEMICAL (MFG)</u>	<u>COMMODITY</u>	<u>CROP GROUP</u>
12705	20-CAR06	A	SAMOIL	POTASSIUM PHOSPHITE (HELENA,LUXEM,VLSCI)	PEANUT	MISC GROUP (99)

Reason for Need: PRIMARY NEED IS ADDRESS MRL ISSUES IN THE EU; SEVERAL PEANUT PATHOGENS, BUT THE PRIMARY USE WOULD BE FOR PYTHIUM POD ROT; WHILE NOT AS WIDESPREAD AS SOME OTHER PEANUT DISEASES, IT CAN BE SEVERE N SOME ROTATIONAL SITUATIONS; THE PHOSPHOROUS ACID FUNGICIDES (PHOSPHITES) ARE VERY ACTIVE ON OOMYCETE PATHOGENS LIKE PYTHIUM; THEY ARE ALSO HIGHLY SYSTEMIC WHICH IS USEFUL IN REACHING A DIFFICULT TARGET LIKE A PEANUT POD WHICH DEVELOPS UNDERGROUND; THE ONLY ALTERNATIVE PRODUCT LABELED IS RIDOMIL WHICH IS SIGNIFICANTLY MORE EXPENSIVE; PER MS ME-TOO REQUEST, PHOSPHITES ARE THE ONLY PRODUCTS USEFUL AGAINST WATER MOLDS WHICH CAN BE APPLIED BY MEANS OTHER THAN AN IRRIGATION SYSTEM; CURRENTLY PEANUT BUYING POINTS CAN'T ACCEPT PEANUTS TREATED WITH THESE AIS SINCE THERE ARE NO MRLs ESTABLISHED IN THE EU; PER OK ME-TOO REQUEST, PYTHIUM POD ROT IS AN IMPORTANT DISEASE IN OK; PHOSPHITES ARE EFFECTIVE, HAVE LOW TOXICITY, AND CAN BE APPLIED THRU IRRIGATION SYSTEMS TO REACH THE PEGGING ZONE WHERE POD ROT DEVELOPS; PRIOR TO EU REGULATORY BANS ON THEIR USE, LOCAL GROWERS USED PHOSPHITES EFFECTIVELY FOR POD ROT CONTROL; PER AR ME-TOO REQUEST, POD ROTs ARE A MAJOR CONCERN IN ARKANSAS PEANUT PRODUCTION AND THERE ARE NO TOOLS TO COMBAT THE PYTHIUM POD ROT COMPLEX.:08/19

Use Pattern: (PCR): USE THE PROPHYT PRODUCT; REQUESTED USE PATTERN IS MAKE 2 FOLIAR APPLIC OF 4 PT PRODUCT/A, 4-WEEK INTERVAL, 21-DAY PHI (IS CURRENTLY LABELED FOR A 0-DAY PHI - NEED TO CONFIRM WHY REQUESTOR SPECIFIED A 21-DAY PHI)

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: 2-3 6-2, 2 DECLINE TRIALS (RAC = NUTMEAT), PLUS IN 1 TRIAL 5X PROCESSING (MEAL, REFINED OIL)

Comments: PRIMARY NEED IS TO DEVELOP RESIDUE DATA TO ADDRESS MRL ISSUES IN THE EU (IS EXEMPT FROM TOLERANCE IN THE U.S.):04/19; MFG (LUXEMBOURG AND HELENA [PRODUCTS VIATHON AND PROPHYT]) SUPPORT RESIDUE RESEARCH:08/19; MFG OFFERED FINANCIAL ASSISTANCE IN CONDUCT OR RESIDUE STUDY:09/19; EPA CAUTION:08/20

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-GA*169	Fraelich, Ben
20-NC245	Batts, Roger B.
(processing)	
20-NC246	Batts, Roger B.
(decline)	
20-SC*366	Wade, Paul
(decline)	
20-TX388	Arias, Miguel
20-TX389	Arias, Miguel



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12542	<u>LAB</u> 20-FLR06	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> JOLLY	<u>CHEMICAL (MFG)</u> FLUMIOXAZIN (VALENT)	<u>COMMODITY</u> STEVIA	<u>CROP GROUP</u> MISC GROUP (99)
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Reason for Need: RESIDUAL WEED CONTROL; CURRENTLY, THERE ARE NO HERBICIDES REGISTERED, OTHER THAN CLETHODIM

Use Pattern: (PCR): USE THE VALOR PRODUCT; MAKE 2 APPLIC OF 2 OZ/A, ONE PRIOR TO TRANSPLANT, FOLLOWED BY ONE EPOST, AT LEAST 30 DAYS APART; PHI NOT CERTAIN; MAKE THE PRETRANSPLANT APPLIC AS A BROADCAST TO WEED-FREE SOIL, NO ADJUVANT NEEDED; MAKE POST-DIRECTED APPLIC TO DIRECT THE SPRAY TO ROW MIDDLES AND AT THE BASE OF STEVIA PLANTS, NO ADJUVANT NEEDED (TRIALS ARE ONGOING TO TEST AN EARLY POSTEMERGENCE BROADCAST FOLIAR SPRAY)

E/CS Data Requirements:

E/CS Research Comments: PER 2019 PERFORMANCE PROTOCOL: IN ONE TRIAL, TEST CHATEAU 51 SW AT 0.032, 0.064 AND 0.096 LB AI/A, IN AT LEAST 15 GPA, BROADCAST TO THE SOIL PRIOR TO TRANSPLANTING; MAKE 1 BROADCAST APPLIC TO BARE SOIL AFTER LAST TILLAGE AND BEFORE TRANSPLANTING OF THE CROP; IN THE 2ND TRIAL, TEST CHATEAU 51 SW AT 0.032 LB AI/A ALONE AND + 0.188 LB AI/A PARAQUAT, AND AT 0.064 LB AI/A ALONE AND + 0.188 LB AI/A PARAQUAT, IN AT LEAST 15 GPA, DIRECTED TO ROW MIDDLES AND UP TO THE BASE OF CROP STEMS; IN BOTH TRIALS EVALUATE CROP INJURY AND WEED CONTROL (AT 7, 14, 28 AND 42 DAYS AFTER APPLIC), AND CROP YIELD (AND GRADES, IF APPROPRIATE); IN THE 2020 PERFORMANCE PROTOCOL, TEST CHATEAU 51 SW USING THE SAME USE PATTERNS AND EVALUATIONS AS IN THE 2019 TRIALS

IR-4 Residue Trial Plan: ANY 4 TRIALS (DRY LEAF ONLY)

Comments: NO EXPORT MARKETS NOTED:07/18; MFG SUPPORTS, RESIDUE AND PERFORMANCE DATA REQUIRED:08/18; IR-4 RFC REQUESTED CHANGE OF STATUS TO "POTENTIAL, E/CS BEFORE APPROVAL FOR RESIDUE" TO CONFIRM CROP SAFETY WITH AN ACCEPTABLE USE PATTERN BEFORE CONFIRMING THIS IS READY FOR RESIDUE WORK:10/18; MFG APPROVED, FOR RESIDUE ONLY, AT FUW:09/24/19; EPA CAUTION:12/19;

NER-EPA Region-FRD

20-NJ262 Fisher, Jennifer

NCR-EPA Region-FRD

20-OH*298 Horst, Leona

SOR-EPA Region-FRD

20-NC243 Batts, Roger B.
20-NC244 Batts, Roger B.

WSR-EPA Region-FRD

20-CA35 Ennes, D. (Kearney)

CANADA-EPA Region-FRD



2020 Tentative/Scheduled Studies

Residue and Efficacy/Crop Safety (E/CS)

(Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

<u>PR #</u> 12811	<u>LAB</u> 20-FLR09	<u>PRIORITY</u> A	<u>STUDY DIRECTOR</u> JOLLY	<u>CHEMICAL (MFG)</u> LINURON (TKI)	<u>COMMODITY</u> STEVIA	<u>CROP GROUP</u> MISC GROUP (99)
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Reason for Need: WINTER ANNUAL AND BIENNIAL WEEDS; THERE ARE CURRENTLY NO HERBICIDES REGISTERED FOR CONTROLLING WINTER WEEDS IN ESTABLISHED STEVIA

Use Pattern: (PCR): USE LINEX; MAKE 2 SOIL BROADCAST APPLIC OF 2 PT/A IN WINTER MONTHS, 30-45 DAY INTERVAL, 60-DAY PHI; INCLUDE A NON-SELECTIVE HERBICIDE, SUCH AS PARAQUAT, IN EACH APPLIC IN ORDER TO MANAGE EMERGED WEEDS

E/CS Data Requirements:

E/CS Research Comments:

IR-4 Residue Trial Plan: ANY 4 TRIALS (DRIED LEAF)

Comments: NO KEY EXPORT MARKETS NOTED:08/19; MFG CHANGED STATUS FROM UNDER EVAL TO POTENTIAL, E/CS DATA BEFORE RESIDUE, AT FUW:09/24/19; MFG CHANGED STATUS TO RESIDUE RESEARCHABLE:10/19; EPA GREEN:12/19;

NER-EPA Region-FRD

NCR-EPA Region-FRD

SOR-EPA Region-FRD

WSR-EPA Region-FRD

CANADA-EPA Region-FRD

20-NC249 Batts, Roger B.
(expedited protocol)
20-NC250 Batts, Roger B.



2020 Tentative/Scheduled Studies Residue and Efficacy/Crop Safety (E/CS) (Order by Crop Group, Commodity, Chemical)

Print Date: 9/16/2020

	NER	NCR	SOR	WSR	CANADA
ARS Total:		21	23	27	
Region Total:	46	79	149	201	32
Total:	46	100	172	228	32

Grand Trial Total: 578

Total # of PRs: 93
Total # Chemical: 50
Total # Commodity: 66