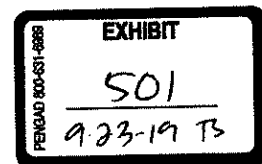


Message

From: MARTINO-CATT, SUSAN J [AG/1000] [/O=MONSANTO/OU=NA-1000-01/CN=RECIPIENTS/CN=655584]
Sent: 10/22/2013 7:35:06 AM
To: WOODY, FIONA L [AG/1000] [fiona.l.woody@monsanto.com]; TRIPLETT, DONNA O [AG/1000] [donna.o.triplett@monsanto.com]
Subject: Dicamba Chemistry_RLT_22Oct13.pptx
Attachments: Dicamba Chemistry_RLT_22Oct13.pptx

Please use this version....slight edit on Slide 2. Thanks!



Highly Confidential

MON0103498

Dicamba Chemistry

RLT

22 October 2013

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Key Chemistry Milestone Updates

Milestone	Status	Watchouts	Mitigation Plan
Obtain key global import MRLs	Codex-on track 3Q14 Japan-on track 2Q14 Taiwan-on track 1Q14 Korea-on track 4Q13 EU-Anticipated 4Q14	EU: definition of residue China: National requirements	EU: Submit data to support DCSA if needed China: Monitor, rely on CODEX standard
OTT in CAN	On track: 1Q14 Launch in 2014	Stewardship plans to enable 2014 launch	Cross-functional plans being developed
Specialty crop tolerances	Trials underway, samples collected for most crops, expect first tolerances in 2015	Effective partnering with BASF must continue	Continue to build relationships (Jessie/Shannon)

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A few (US) things to keep in mind

- US petition is for DGA salt—establishes first OTT use
 - Formulation timelines cascade from here
- State approvals needed after federal stamped label
 - A few weeks to a few months
- Aug '14 enables US activities for DGA
- Relationship with BASF is business critical

Key US Chemistry Milestones

Milestone	Status	Watchouts	Mitigation Plan
EPA completes DGA science reviews	Joint Review-reviews to be completed by 30 Nov 2013	Receive unexpected questions on tox, ecotox , efate	Tech centers prepped with rapid response Leverage PMRA review as necessary
Establish buffer distance	EPA currently 2-4X more than MON proposed	Volatility Only modeling accepted	Joint meeting (MON/BASF/EPA) to discuss deposition data Ongoing dialog on comprehensive dataset (models + field)
Finalize Label	Science-based recommendations proposed	Negotiations linked to TES assessment	Continue education on BMPs and label requirements as effective
Reach "No Effect" on TES	Under discussion	Uncertainty on process/timing; EPA rejects our approach; Defensible	Ongoing outreach on our method, conclusions and defensibility
Enable effective grower stewardship	Rigorous application requirements, BMPs and training programs underway	Ongoing perception of too much "grower discretion" at EPA State-required training	Continue development of mobile App tools for ease of use and accuracy, grower advocacy
Update Preserve	In progress for DTS, cotton will follow (also need update for Gly)	Timing and resources; Acceptable to EPA	Priority for EcoTox team; Discuss options with EPA on access/control

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Key US Chemistry Milestones

Milestone	Status	Watchouts	Mitigation Plan
Reduced risk for cotton	In review	Political climate	Make arguments that FIFRA criteria have been met/exceeded
TES assessment for Cotton	Submitted to EPA	Uncertainty on process/timing; EPA rejects our approach; Defensible	Ongoing outreach on our method, conclusions and defensibility
Meet PRIA dates	Soy: Dec '13 Cotton: Mar '14	Unlikely to hit due to linkage with USDA de-regulation, EIS	Pro-active discussions with EPA, documentation of deficiencies, re-negotiate for small extensions
Formulation approvals	ACE formulations submitted Sep for conventional use; PRIA estimated May '14, to be confirmed)	Formulation OTT use cascades from DGA OTT approval, additional 4 months for label amendment	Commercial launch in '15 with DGA salt (Clarity-like)

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Backups

- Show the app if RLT is interested to see.

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Key Focal Area - Brazil

- DTS/RR2Y submission now targeted in Sept. 2014 with 2013/14 regulatory data
 - Targeted approval in Sept. 2016
- BASF will submit our Dicamax OTT extension submission after conventional approval
 - Targeted conventional approval of Dec. 2014
 - With MON data (and appropriate updates in the contract work plan language)
 - Transfer to MON after approval
- OTT extension submission will be in ANVISA queue for an extended time prior to trait approval
 - Risk of ANVISA rejecting submission due to trait not being approved
 - Will very likely still require BASF to ‘swap’ in queue to meet timeline
 - BEST CASE = end of calendar year 2018
- New formulation(s)
 - ACE premix will be ready to submit early CY 2016

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Key Focal Area - LAS

- Argentina DTS/RR2Y submissions pending in review
- Timing of approvals to enable a 2015/16 commercial introduction
 - Priority residue analysis by BASF
 - Expedited chemistry dossier prep
- Chile – breeding
 - Need OTT dicamba use approved; currently operating under an EUP
- New formulation(s)

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Monsanto's Approach to Endangered Species

- Monsanto followed the EPA's Overview Document, including refinements and proposed label requirements, to reach a "No Effect" determination for plants and animals
- Pre-Serve is a tool to implement proposed label requirements to protect endangered species

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Pre-Serve – A Comprehensive, Easy to Use Tool that Advances Endangered Species Protection

- Informs grower if a field is located in a use limitation area (ULA), and if so, a simple approach to identify applicable habitat
 - For the dicamba tolerant soybean system, 86% of counties with ULAs have only 1 habitat description, while 11% have 2
- Reiterates applicable use restriction instructions from the product label

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Pre-Serve – A Comprehensive, Easy to Use Tool

Pre-Serve (Dicamba Mitigation Instructions)

© 2012 Monsanto Company.
Data Sources: Legal Notice: Privacy Policy
For any questions, call toll-free: 1-800-332-3111.

1: Select your state **Find your field** **Compare to use limitation areas** **Print map and instructions**

Pre-Serve Step 1

In four easy steps, you find out what mitigation instructions apply to your field. Please click on your state to begin.

If your state or County is gray-green, no mitigation is specified by Pre-Serve. **Exit Pre-Serve**

If there is no purple in your County, there are no additional mitigations and you may exit the tool. **Exit Pre-Serve**

If there is any purple in your County, please select a state below to continue to Step 2.

Step 1: Select your state/territory
State/Territory: **ILLINOIS** **Continue**



- In addition to this website, mitigations from other local, state, or federal protection programs and/or landowner agreements may apply, and must be followed, where applicable.
- For applications of dicamba products in California, mitigations specified in the California PRESCRIBE system must also be followed.

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New Option Advances Grower Stewardship

- Growers are asking for tools to assist in making decisions on their farms
- Growers prefer a 'one stop shop' for all of their needs, including innovative technology
- Grower technology demographics
 - 94% of farmers have a smart phone (general population = 83%)
 - 70% of farmers already use smart phones for ag related services

Spray Manager Plus – Practical

Technology to Advance

Grower/Applicator Stewardship

- Utilizes a weather data feed for field-by-field wind conditions
- Creates guidelines based on a set of factors:
 - Wind Conditions
 - Approved Nozzles
 - Orifice Size
 - PSI
 - Spacing
 - Boom Height
 - Buffers

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SPRAY



OPTIONS

MY FIELDS

Gallery

Map


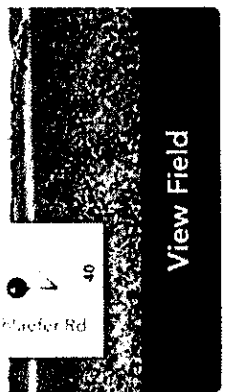


CHECK DICAMBA
SPRAY CONDITIONS



ADD NEW FIELD

Field Title


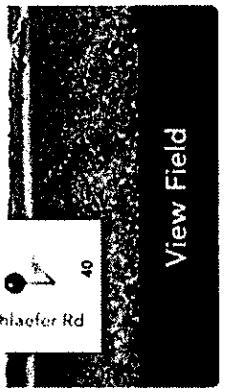



Schlaefer Rd

40

View Field

Field Title


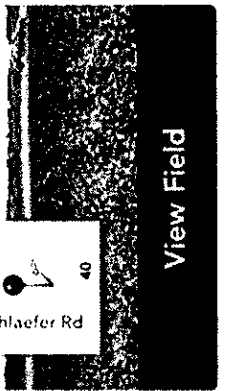



Schlaefer Rd

40

View Field

Field Title


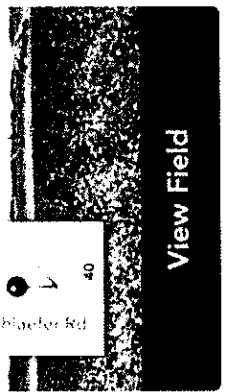



Schlaefer Rd

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View Field

Field Title


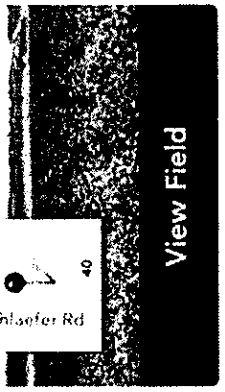



Schlaefer Rd

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View Field

Field Title


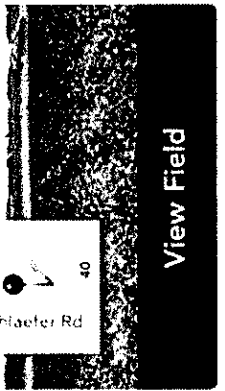



Schlaefer Rd

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Schlaefer Rd

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Field Title




Schlaefer Rd

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View Field

CURRENT WEATH

18

Wind Sp



Chance of Rain 20

FIELD DETAILS

Location

186 Schlaefer Rd.
Troy, IL 67230

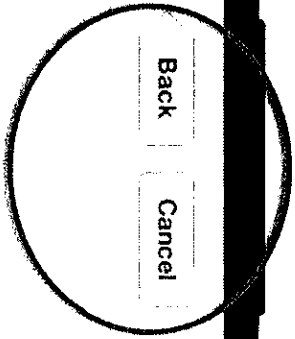
View Map

Add New Field

Pin your field.
Tap your field on the map to drop a pin in its exact location.

Back

Cancel



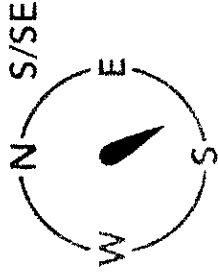
Get Roundup Ready 2 Xtend Soybeans Spray Conditions

Cancel

Do not spray.

Current Wind Conditions

18 MPH



Need to know when weather conditions are right?

We can send you a notification when wind speeds are ideal for spraying. Just tap the button below.

Notify Me

Back to Field

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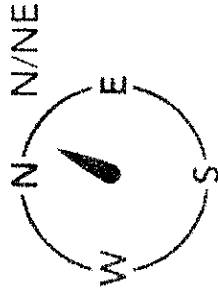
Check Roundup Ready 2 Xtend Soybeans Spray Conditions

Cancel

Wind Speeds are within Recommended Range
for Dicamba application

Current Wind Conditions

4 MPH



Will you be spraying now?

If so, continue to receive dicamba application guidelines and recommendations. It's helpful and easy, and you'll be able to save a record of this spray to your field.

Get Guidelines

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Roundup Ready 2 Xtend Soybeans Spray Guidelines

05/12/13 Time: 05/12/13 Edit Date & Time

Dicamba

Roundup Ready 2 Xtend Applicator Guidelines

NOZZLE	TEEJET-ITR	This is an approved nozzle
ORIFICE SIZE	003	Recommended sizes 003-005
PSI	50 PSI	Recommended PSI 30-50
NOZZLE SPACING	20"	Recommended spacing 20"
BOOM HEIGHT	20"-24"	Recommended height 20"-24"
BUFFER	TBD	Secure ^{**} buffer downwind

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[Return Home](#) [Email](#)

Save Spray