

EPA DRT OFFICIAL ANNOUNCEMENT

The DRT program has finally been officially announced after 8 years of development

10/20/2014 – Lillian Magidow, Research Manager



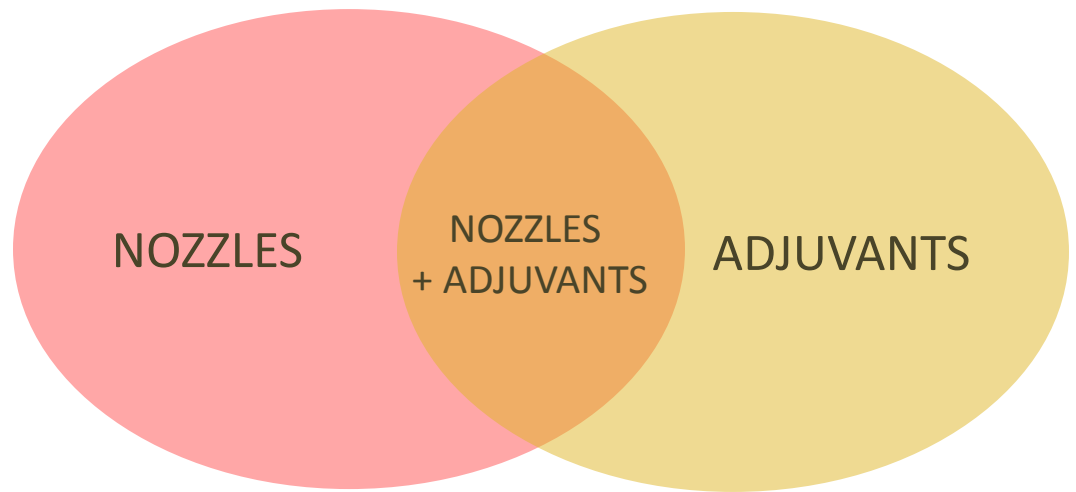
OVERVIEW

Big news for adjuvant & nozzle manufacturers, pesticide registrants, and applicators

- On October 15th, 2014 the US EPA OPP announced the Agricultural Pesticide Spray Drift Reduction Technologies (DRT) Voluntary Program
- This has been in the works since 2006
- The Winfield Spray Analysis System was built partly in anticipation of this program
- Official EPA Notice:
 - Go to <http://www.regulations.gov>
 - Search for docket: EPA-HQ-OPP-2014-0748
- Supporting documents docket: EPA-HQ-OPP-2012-0631
- Official Website:
 - <http://www2.epa.gov/reducing-pesticide-drift>



OVERVIEW



- A voluntary program
- Purpose:
 - *to document the effectiveness of agricultural pesticide spray application technologies on reducing pesticide spray drift*
- Manufacturers submit data to the EPA showing the % drift reduction of nozzles, adjuvants, or other spray application technology
- EPA assigns a DRT star rating
- Pesticide labels will include:
 - One set of restrictions (i.e. buffer zones) if the product is applied without DRT
 - Another set of restrictions if the product is applied using a DRT (i.e. reduced buffer zones)

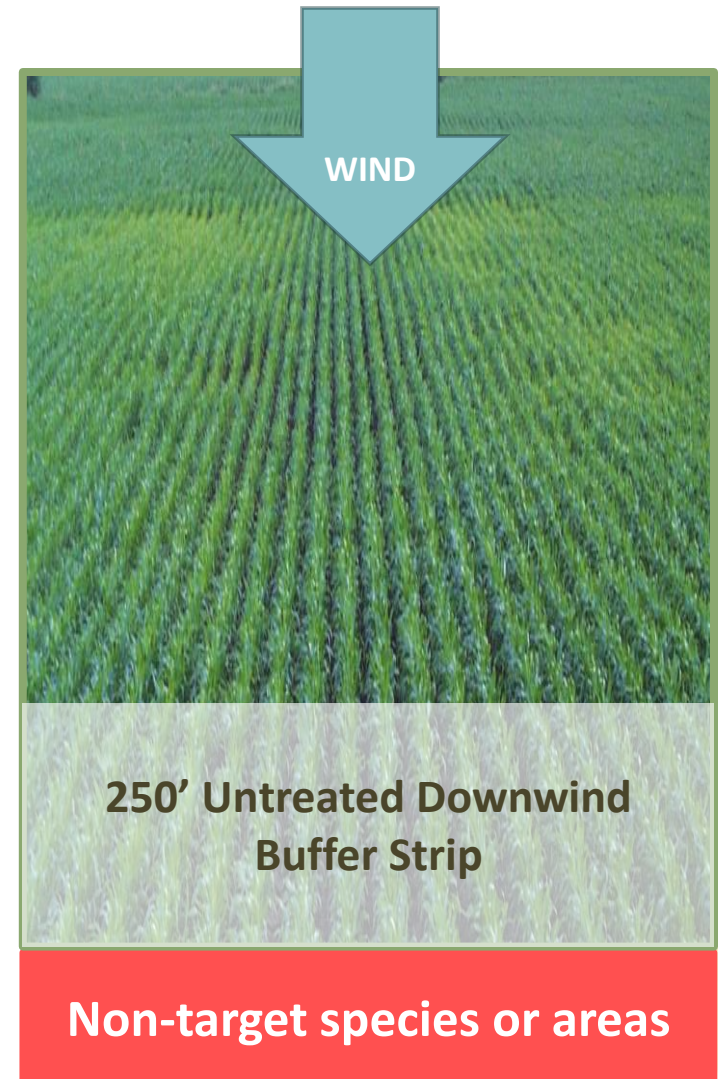
DRT STARS

Stars will be awarded to nozzles, adjuvants, and other modifications such as shielded booms

- EPA will award stars for % decrease in drift distance (field studies) or driftable fines (spray analysis) relative to standard spray:
 - 0 - 25% no star
 - 25 - 49% *
 - 50 - 74% **
 - 75 - 89% ***
 - 90 +% ****
- Stars will be used to reduce application restrictions
 - Example: more **** → smaller buffer zone
- Registrants will be encouraged to recommend additional BMPs for spray application

BUFFER ZONES

- In-field buffer zones (BZ) are required on some labels to reduce drift risk
- BZ will become more common on HIF labels
- For drift management, the BZ will be on the downwind edge. This area can be re-treated when the wind shifts.
- All 2,4-D products have had a 250' downwind BZ requirement since 2005
- On 10/15/2014, the registration of Enlist Duo from Dow Agrosiences was announced
 - Their 2,4-D choline formulation can be applied with a 30' downwind BZ if specific nozzles and pressures (TBD) listed on the label are used



WHAT'S NEW

How this announcement differs from previous bulletins:

1. Allows private companies to conduct testing in-house

- Should be good news for Winfield Spray Analysis Lab

2. Provides a 4-star rating for 90%+ reduction in drift

- Good news for InterLock & MasterLock, which can reduce drift by over 90% when used in combination with low-drift nozzles



NEXT STEPS FOR WINFIELD

- Begin process of verifying InterLock and MasterLock as DRT
- Develop training materials for our customers about the DRT program and buffer zones
- Develop application recommendations for buffer zone areas
- Produce training materials with recommended nozzles and adjuvants for key HIF

