New Methods Developed to Address Volatility and Discover New Products

- Humidome Studies
  - Conducted in growth chamber
  - High temperature and humidity
- Air pulled through PUF (polyurethane foam)
- PUF extracted analyzed for dicamba by LCMS
- Tells us the total amount of dicamba vapor

Humidity dome testing has been the workhorse of our volatility screen. Use this method to screen formulations. Air pulled through for 24 hours. Any dicamba vapors will be trapped on the PUF. PUF extracted with methanol and analyzed by LCMS for presence of dicamba.
Relative Volatility of Roundup® Xtend™
containing VaporGrip™ technology

This information is for educational purposes only and is not intended to sell Roundup® Xtend™, Clarity™, or Roundup Ready 2 Xtend™. These products are not yet registered or approved for sale or use anywhere in the United States.

Source: Monsanto Internal Testing; DGV 873

Mention that we are still working on new formulations — 2nd generation options being developed along with other premix formulations containing dicamba. Formulations for other world areas. Dicamba is a chemistry that Monsanto is committed to.
Hoop House Volatility Test

32 plants placed in each hoop house. Flat containing 10 sprayed Petri dishes placed in the middle of the hoop house.

Hoop houses covered with plastic, sealed with binder clips. After desired exposure time plastic removed, plants removed and observed for injury response at 7 and 14 DAT.

New test we have developed in the past 6 months. Useful tool to show benefit of VaporGrip technology. 32 plants are used per treatment so enables to see crop response to any dicamba vapor that may volatilize.
**XtendiMax™ Herbicide Low Volatility Response**

- Soybeans exposed for 24 hours to DMA dicamba show injury response at 14 DAT.
- Soybeans exposed for 24 hours to XtendiMax show low injury response at 14 DAT.

Note: This information is for educational purposes only and is not an offer or sale of XtendiMax™, XtendiMax™ +Hint™ or Hint™ +XtendiMax™. These products are not registered or approved for sale or use anywhere in the United States.
Roundup® Xtend™ Herbicide Low Volatility Response

Soybeans exposed for 24 hours to DMA dicamba + Roundup PowerMAX® Herbicide show injury response at 14 DAT

Soybeans exposed for 24 hours to Roundup® Xtend™ Herbicide show low injury response at 14 DAT

*The information is for educational purposes only and is not a offer to sell Roundup® Xtend™, Roundup® PowerMAX®, or Roundup® Ready 2 Xtend™. These products are not yet registered or approved for use or sale anywhere in the United States.
We’ve heard lots of great information today from the best in the business. Are you ready to have these same conversations with your team? Are your salespeople and agronomists ready to lead these conversations with growers? What about field days? What are you going to say?

We’re going to break this down into two sections: 1) What can you do? 2) What resources are available to do it? 3) Who are the growers I should consider?
Roundup Ready 2 Xtend™ Soybeans
Seed Partner Direction

What Can I Do?

- Educate growers on Roundup Ready® Xtend Crop System
- Promote/Advertise Roundup Ready 2 Xtend™ Soybeans
- Build a grower plan - which growers & acres are the best fit for the product lineup?

*Educational Materials, Ads, Logos Branding & Legal Guidelines are available on www.corn-states.com

This information is for educational purposes only and is not an offer to sell Roundup Ready®, Roundup Ready 2 Xtend™, or Roundup Ready 2 Xtend™. These products are not yet registered/approved for sale in some jurisdictions in the United States.

Pltfs-0046.0053
Roundup Ready 2 Xtend™ Soybeans
Seed Partner Direction

What Is Not Allowed?

• Use of the chemistry logos/trademarks, offer for sale or recommendation for in crop use: Roundup Ready® Xtend Crop System, Roundup Xtend™, or Xtendimax™
• Selling Roundup Ready 2 Xtend™ soybeans
• Listing Roundup Ready 2 Xtend™ soybean varieties in your seed guide
• Product Characteristics Sheet - Available Soon!
• Printing sewn seed bags - Available Soon!

This information is for educational purposes only and is not an offer to sell Roundup Ready®, Xtendimax™, or Roundup Ready 2 Xtend™. These products are not yet registered or approved for sale or use elsewhere in the United States.
Seed Bag Considerations

- "Flag the Technology" — Developed to reduce herbicide application errors by identifying fields that use herbicide-resistant technologies
- The checkerboard pattern represents the Roundup Ready® Xtend Crop System®
- Using the checkered pattern is recommended but optional when designing your seed bags

For more information on Flag the Technology visit: http://www.uaex.edu/publications/pdf/FS-2167.pdf

*Expected for 2016 based on pending regulatory approvals
The Next 90 Days

- Field Days
- Kickoff Meetings
- Grower Calls
## Roundup Ready 2 Xtend™ Soybeans

### Resources Available

<table>
<thead>
<tr>
<th>Corn States Account Manager</th>
<th><a href="http://www.corn-states.com">www.corn-states.com</a></th>
<th>Other Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Characteristics Sheet</td>
<td>Roundup Ready® Xtend Crop System Brochure</td>
<td><a href="http://www.roundupreadyPLUS.com">www.roundupreadyPLUS.com</a></td>
</tr>
<tr>
<td>More Information Available Soon</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Presentations
- Applicator Training
- Field Day Boards

#### ACT Site Seller

#### Field Day Boards

**Ads, Logos, Branding & Legal Guidelines**

* Spray Manager Plus app: Pending final label requirements
* Follow-a-Field: www.xtendfollowafield.com

---

This information is for educational purposes only and is not an offer to sell Roundup Ready™ Xtend® or Roundup Ready 2 Xtend™. These products are not yet registered or approved for sale or use anywhere in the United States.
General Overview
Nozzles and Booms

This information is for educational purposes only and names or other marks such as "Roadway" or "Road Ahead" may be the registered trade names of approved suppliers or manufacturers. These products are not registered or approved for sale or use anywhere in the United States.
Roundup Ready PLUS and How the Roundup Ready Xtend Crop System Fits In