



SCOTT'S COVER CROPS LLC
JAMIE SCOTT - PIERCETON, IN



Recognizing the Conservation Achievements of U.S. Soybean Farmers

2008

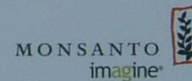
CONSERVATIONISTS OF THE YEAR

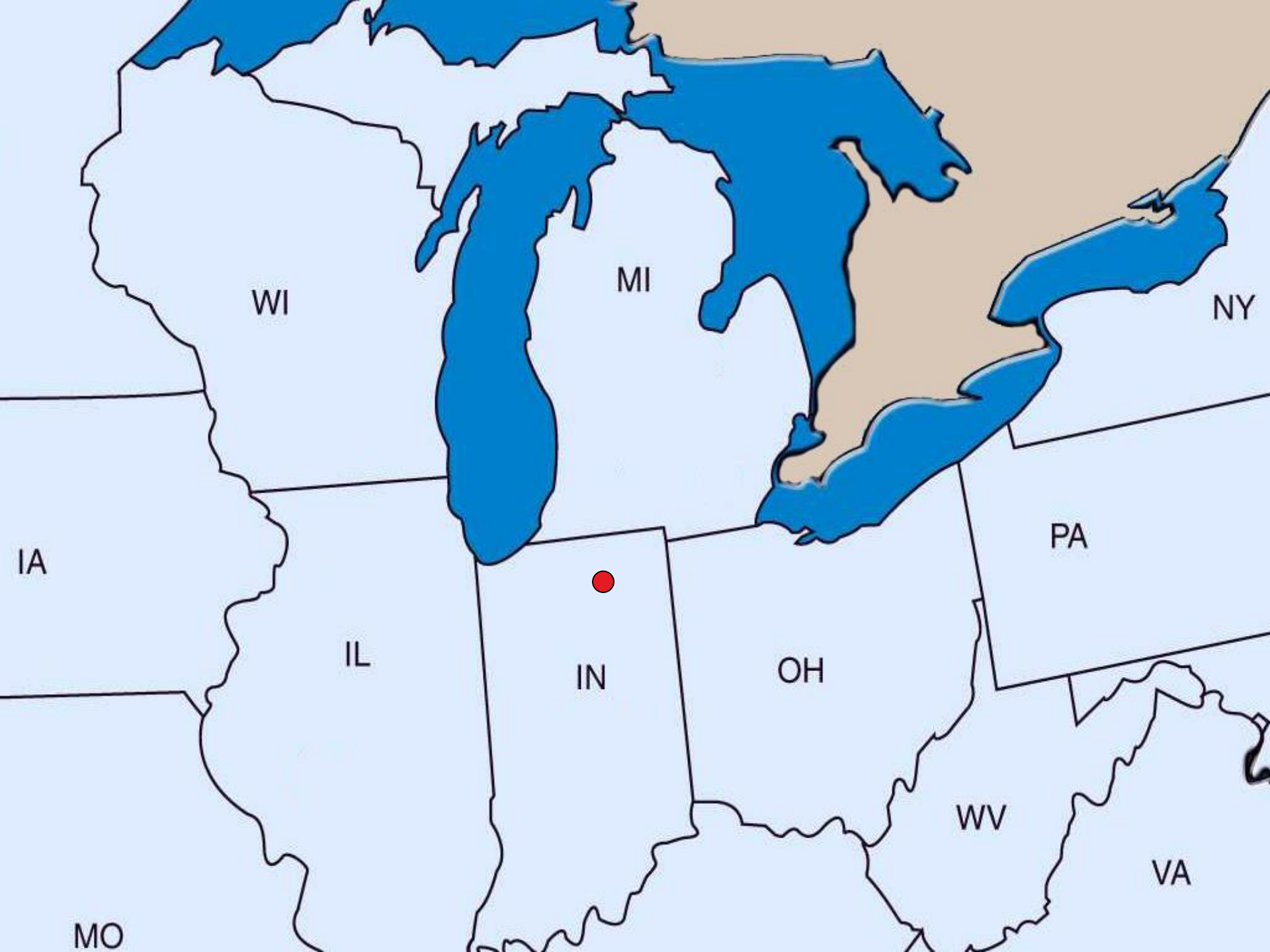
JIM, CATHY, AND JAMIE SCOTT

J. A. SCOTT FARMS, INC.

Pierceton, Indiana

Presented By



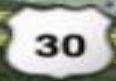




E 125 S

S 600 E

E 200 S



FARM BACKGROUND
No-Till
Cover Crops
Tile
Crop Rotation
Previous Owners - 2



2015
LOTS OF RAIN

















Cover Crop Chart

GROWTH CYCLE

- A = Annual
- B = Biennial
- P = Perennial

RELATIVE WATER USE

- ☾ = Low
- 💧 = Medium
- 💧 = High

PLANT ARCHITECTURE

- ☐ = Upright
- * = Upright-Spreading
- ≡ = Prostrate

-----Cool Season-----

-----Warm Season-----

---Grass---			-----Broadleaf-----						---Grass---		
A <u>Barley</u>									A <u>Pearl millet</u>		
A <u>Oat</u>	A <u>Phacelia</u>								A <u>Amaranth</u>	A <u>Foxtail millet</u>	
A/P <u>Ryegrass</u>	A <u>Flax</u>								A <u>Buckwheat</u>	A <u>Proso millet</u>	
-----Legumes-----											
A <u>Wheat</u>	A <u>Spinach</u>	B <u>Turnip</u>	A <u>Field pea</u>	A <u>Berseem clover</u>	A/P <u>Medic</u>	A <u>Chickpea</u>	A <u>Sunflower</u>	A <u>Sudan grass</u>			
A <u>Cereal rye</u>	A <u>Kale</u>	A <u>Radish</u>	A <u>Lentil</u>	B/P <u>Red clover</u>	P <u>Birdsfoot trefoil</u>	A <u>Cowpea</u>	A <u>Safflower</u>	A <u>Teff</u>			
A <u>Triticale</u>	A/B <u>Canola</u>	B <u>Beet</u>	A <u>Lupin</u>	P <u>White clover</u>	P <u>Sainfoin</u>	A <u>Soybean</u>	A <u>Squash</u>	A <u>Grain sorghum</u>			
A <u>Annual fescue</u>	A/P <u>Mustard</u>	A/B <u>Carrot</u>	A/B <u>Vetch</u>	A/B <u>Sweetclover</u>	P <u>Alfalfa</u>	A <u>Mung bean</u>	P <u>Chicory</u>	A <u>Corn</u>			



Cover Crop Chart

GROWTH CYCLE

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RELATIVE WATER USE

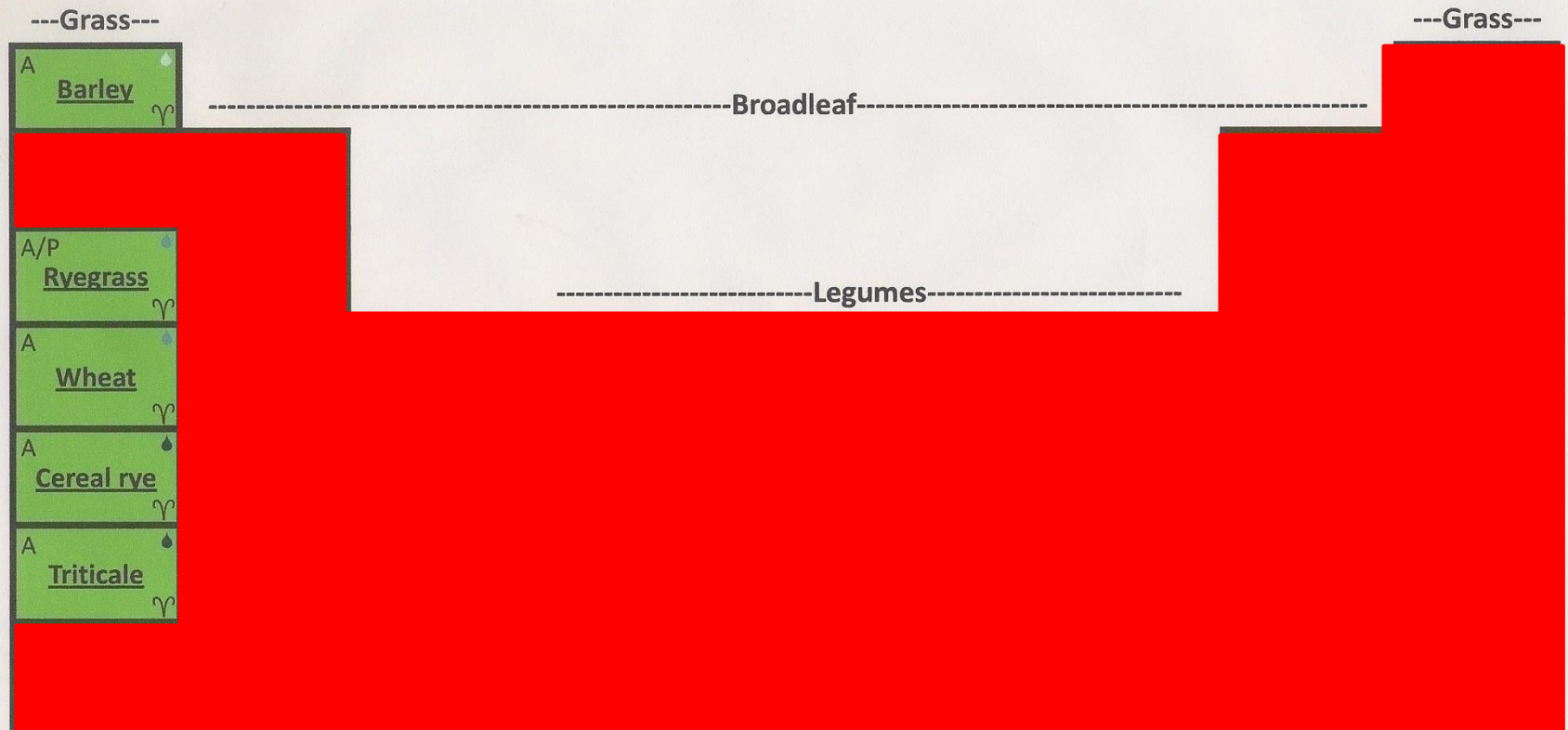
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PLANT ARCHITECTURE

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-----Cool Season-----

-----Warm Season-----



13 Way Mix - 2013

•Legumes

- CowPeas
- Sunn Hemp
- Cahaba Vetch
- Yellow Sweet Clover
- Crimson

•Grasses

- Sorghum Sudan
- Millet
- Oats

•Brassicas

- Rapeseed
- Turnips

•Broadleaves

- Sunflower
- Buckwheat
- Phacelia

\$54.00/acre

16 Way Mix - 2014

•Legumes

- CowPeas
- Sunn Hemp
- Cahaba Vetch
- Yellow Sweet Clover
- Berseem Clover
- Crimson Clover

•Grasses

- Sorghum Sudan
- Millet
- Oats

•Brassicas

- Rapeseed
- Radish
- Turnips

•Broadleaves

- Sunflower
- Buckwheat
- Phacelia
- Flax

\$45.00/acre

14 Way Mix - 2015

•Legumes

- CowPeas
- Sunn Hemp
- Cahaba Vetch
- Yellow Sweet Clover
- Crimson Clover

•Grasses

- Sorghum Sudan
- Millet
- Oats

•Brassicas

- Rapeseed
- Radish
- Turnips

•Broadleaves

- Sunflower
- Buckwheat
- Flax

\$38.00/acre







 **COVER
CROP
SEEDS**







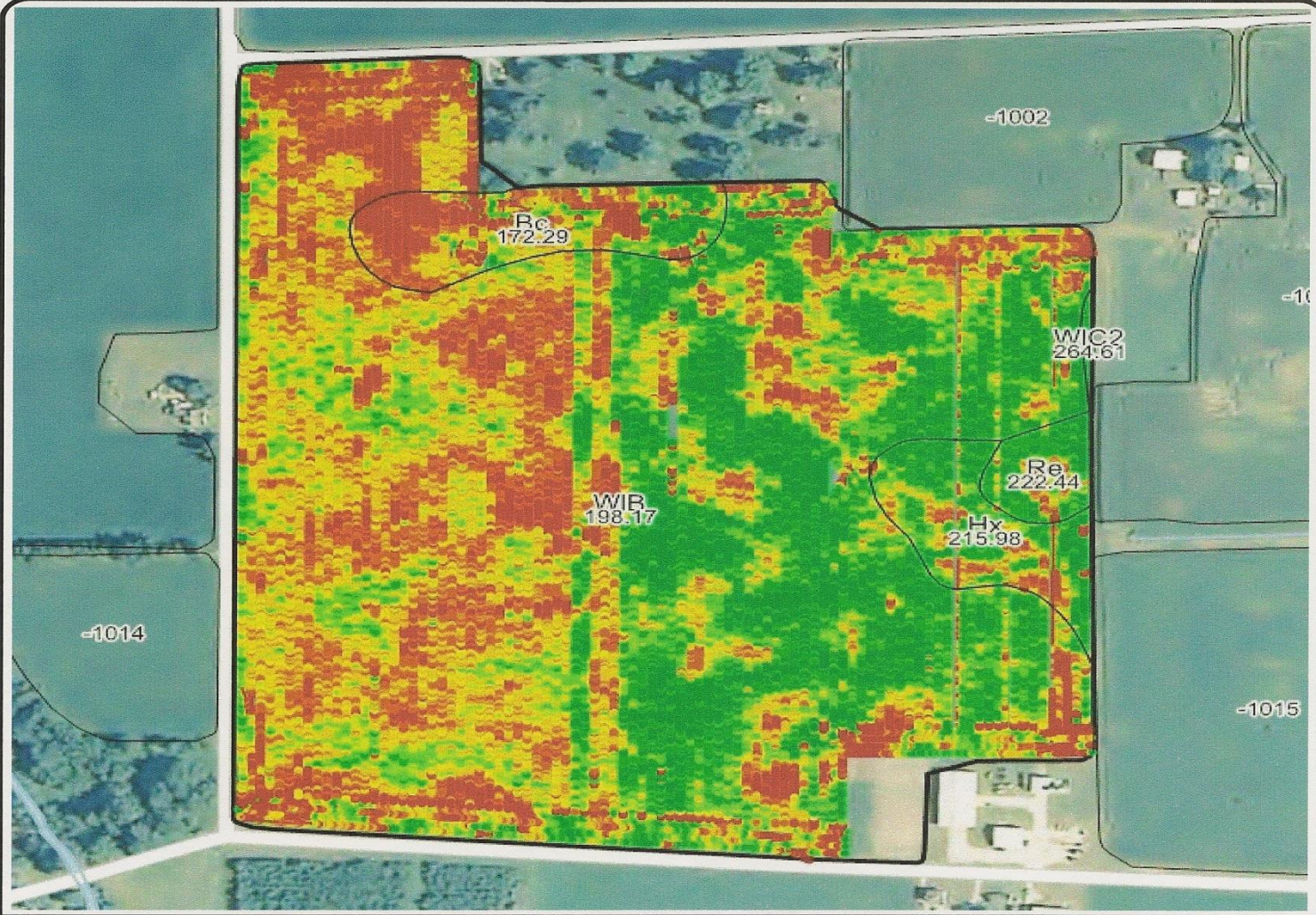








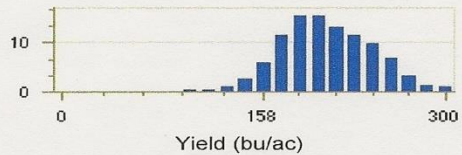




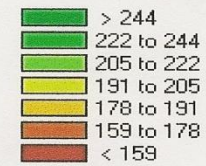
Harvest Summary

Total Yield (dry): 14,323.55 bu
Harvested Area: 72.32 acre
Avg. Moisture: 20.04 %
Average Yield: 198.06 bu/acre

Yield Distribution (%)



Yield (bu/acre)



17-Feb-2011

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 Map(s) may not represent all fields or products planted



PIONEER
 A DUPONT BUSINESS



100%
Xtra

Power Connected Make 2017 (8.0mm) 200/210









JOHN DEERE



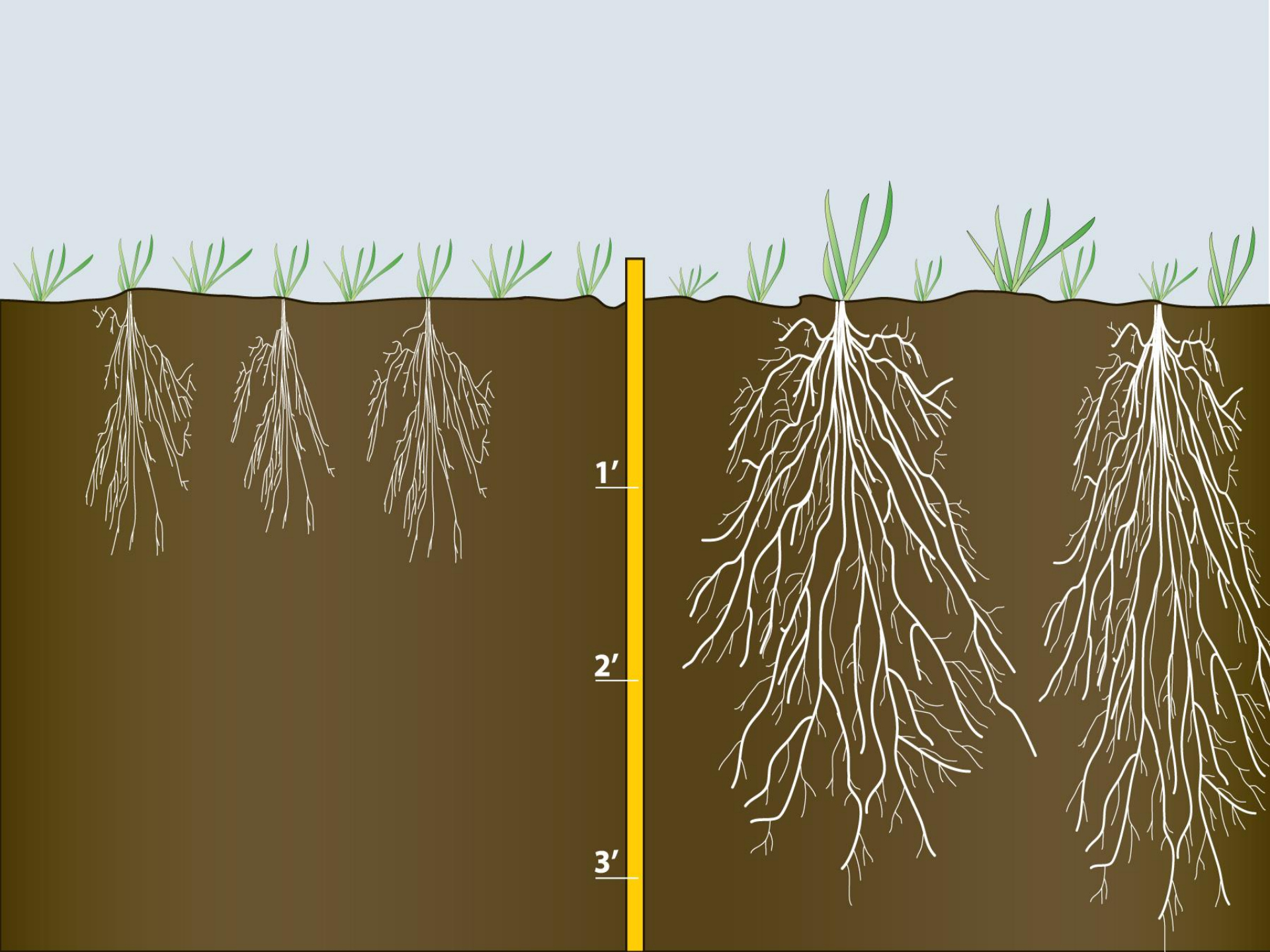


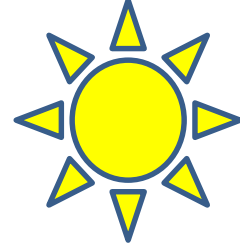


DRILLED



FLOWN



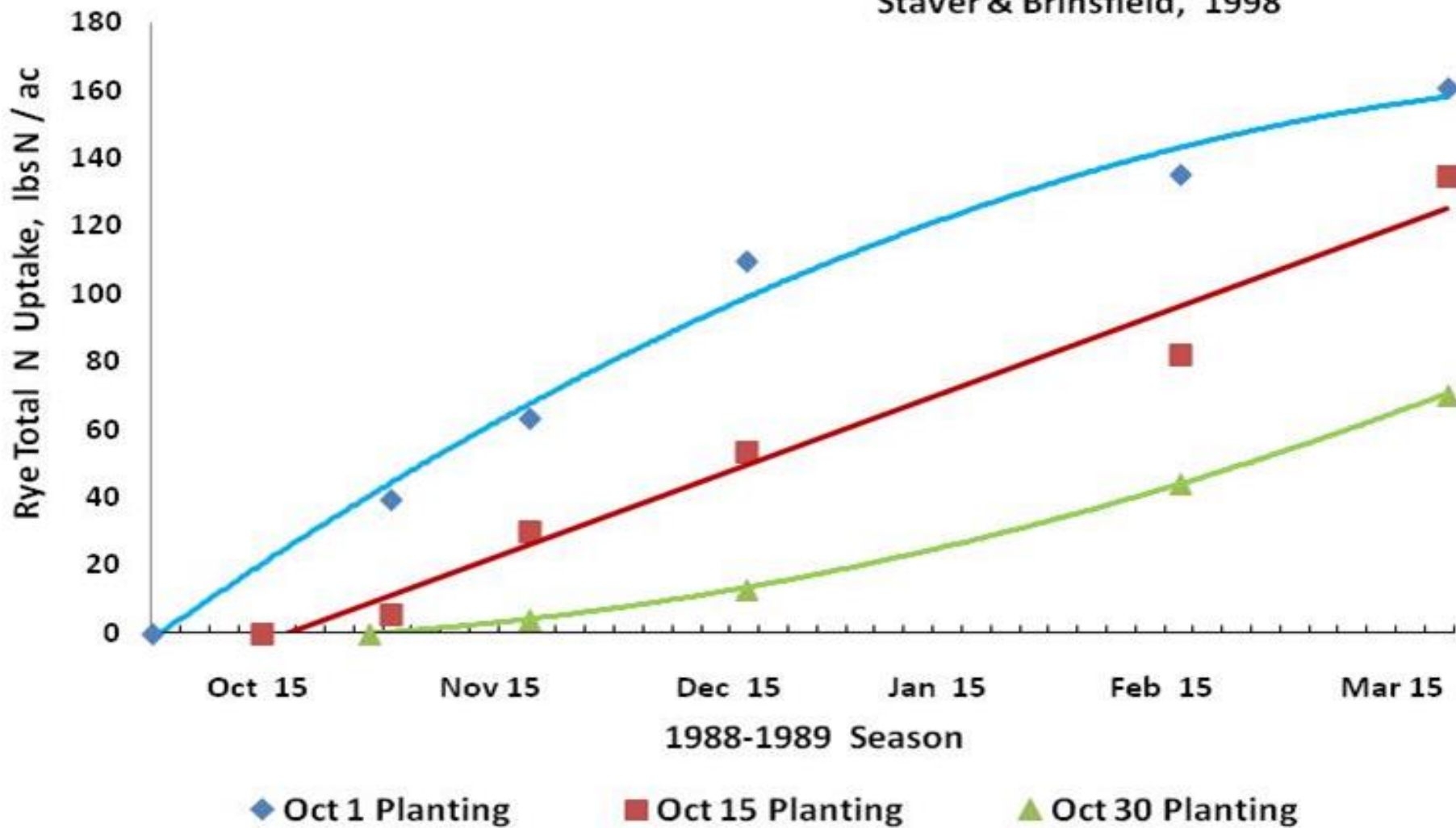


<u>Date</u>	<u>Sunrise</u>	<u>Sunset</u>	<u>Avg. High</u>	<u>Avg. Low</u>	<u>Mean</u>
-Sept. 7	6:15am	7:05pm	78	56	67
-Oct. 7	6:46am	6:14pm	66	44	55

You lose 1 ½ hours of sun light and 12 deg. in Temp.

Rye Total N Uptake for Three Planting Dates

Staver & Brinsfield, 1998









port Genuity® Roundup Ready® Alfalfa seed including hay or hay products, to China pending approval. In addition, due to the unique cropping pattern, **do not plant Genuity® Roundup Ready® Alfalfa in Alameda County, California**, pending Import approvals. Monsanto grants express permission for such use.

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Products may not yet be registered in all states. Check with your Monsanto representative for the registration status in your state.

IMPORTANT IRM INFORMATION: Genuity® RIB corn blend products do not require the planting of a refuge except in the Cotton-Growing Area. The European corn borer is a significant pest. **See the IRM/Label for additional information. Always read the IRM requirements.**

For more information regarding the intellectual property protection for the seed products discussed in this publication, please see www.dandekalb.com.

Results may vary, and performance may vary from year to year and from location to location. This result is an indicator of results you may obtain as local soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

READ AND FOLLOW PESTICIDE LABELS. Roundup Ready® crops contain genes for tolerance to glyphosate, the active ingredient in many brand agricultural herbicides. Roundup Ready® agricultural herbicides will kill crops that are tolerant to glyphosate. Tank mixtures: The labeling for each product must be in the possession of the user at the time of application. Follow use instructions, including application rates, and restrictions of each product used in the tank mix. Monsanto has not tested all tank mix products for compatibility or performance other than as listed by brand name. Always predetermine the ratio of tank mixtures by mixing small proportional amounts. Acceleron and Design®, Asgrow and Asgrow®, Bollgard®, Bollgard II®, DEKALB®, DEKALB®, DroughtGard®, Genuity Design®, LibertyLink®, LibertyLink®, Respect the Refuge and Cotton On B Complete®, Roundup Ready 2 Technology®, Roundup Ready 2 Yield®, Roundup Ready®, VT Double PRO® and VT Triple PRO® are trademarks of Monsanto Technology LLC. Deltapine® is a trademark of Monsanto Company. Channel® and LibertyLink® are trademarks of Monsanto Company. Channel® and LibertyLink® are trademarks of Monsanto Company. LibertyLink® is a trademark of Monsanto Company. LibertyLink® is a trademark of Monsanto Company.

Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements, for insect resistance management, for Roundup Ready® crops. By opening the bag of seed as set forth in the Monsanto Technology/Stewardship Agreement that you sign, you are accepting the stewardship requirements. After opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements.



Pro aerial seeding tips

Cover crops need sunlight, seed-to-soil contact and moisture.



This cereal rye-spring barley cover crop mix in Wisconsin was seeded at the same time, but the corn on the left was harvested in late September, allowing the cover crop more time to establish a stand. The corn on the right side of this field was harvested the third week of October, robbing the cover crop of three to four weeks of sunlight.

By Susan Winsor

These cover crop aerial seeding tips come from Damon Reabe, a third-generation aerial applicator and president of Reabe Spraying Service, Waupun, Wis.

- **Avoid aerial seeding too early.** You risk having your cover crop competing with the cash crop and lacking access to sufficient sunlight beneath the canopy. Access to sunlight is the key to successful cover crop stand establishment.
- **Seed cover crops when soybean leaves are yellow, but before they drop.** Too much green soybean canopy will shade cover crop seedlings, and fallen leaves will block seed-to-soil contact. If the soybean field does not mature evenly (a common problem),

you are set up for a poor cover crop stand.

- **Time cover crop seeding on corn properly.** Do not fly cover crop seed on corn until the corn plant has senesced (dried out) up to the ear, or the new crop will lack critical sunlight access.
- **Spring barley and cereal rye are ideal cover crops for northern climates.** Spring barley is popular with beginners because it is quick to germinate and easy to manage. Of all the grasses, it is the fastest-growing and the largest nitrogen scavenger. Even when barley survives to the reproductive stage, the spring straw is not woody or difficult for tillage implements to manage. Spring

THINK DIFFERENT: AGRONOMICS | DATA | SOIL | PROFITS™

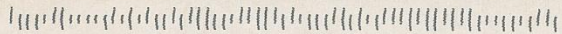
CORN+SOYBEAN

AUGUST 2014

DIGEST®

Seed better covers.

This Indiana farmer rigged his spray boom to experiment with early cover crop seeding. Our cover story talks pros, cons and costs of all seeding methods.



SCOTT FARMS INC
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PIERCEIDA IA 48582-9703













CORN AND SOYBEAN

Herbicide	Active ingredient	Normal Rate/acre	Half life (days) ¹	Cash crop restrictions	Fall cover crops		Other
					OK to plant	Concern for	
Glyphosate 4L	glyphosate	0.75 to 1.25 lb	47	No restrictions preemergence	All	None	Glyphosate does not have soil activity at normal use rates
Gramoxone 2S	paraquat	2 pt	1000	No restrictions preemergence	All	None	Paraquat does not have soil activity at normal use rates
Harmony 50WDG	thifensulfuron	1/8 oz	12	Any crop can be planted 45 days after application	No restrictions for wheat, barley, and oats	None with 45 day waiting interval	Harmony Extra also contains tribenuron
Liberty 2.34L	glufosinate	22 - 36 fl. oz	7	No restrictions for canola, corn, and soybean. Small grains have a 70 day restriction.	All	Food or feed residues rather than crop injury may be a concern	Glufosinate does not have soil activity at normal use rates
Outlook 6E	dimethenamid	16 fl. oz	20	Four mo. for cereal grains and anything the following spring	Most crops should be fine	Food or feed residues rather than crop injury may be a concern	Nonfood/feed winter cover crops should be OK after corn harvest
Prowl H2O 3.8CS	pendamethalin	3 pt	44	Wheat and barley after 4 mo. Other rotational crops the following year.	Cereal grains	Small seeded legumes and annual ryegrass	We have not seen this herbicide carryover in PA. Nonfood/feed winter cover crops should be OK
Python 80WDG (Hornet and Surestart)	flumetsulam	1 oz	14-120	Cash crop restrictions from 4 mo. for alfalfa and cereals to 26 mo. for canola	Cereal grains	Small seeded legumes, mustards, and annual ryegrass	Cover crops and forage grasses are restricted for 9 mo.
Metribuzin 75DF (Sencor)	metribuzin	0.33 lb	14-60	Recrop restrictions range from 4 to 12 mo.	Cereal grains and ryegrass	Slight risk for small seeded legumes and mustards	Nonfood/feed winter cover crops allowed
Sharpen 2.85SC (Verdict and Optill)	saflufenacil	3 fl. oz	7-35	Any crop can be planted 4 mo. after application	All	None	This product has been reported more persistent in western Canada



Cover crops seeded into V5 corn

Intra seeded covers

No covers

Strip - 1	Legume	224 bu.	+21	Strip - 2	203 bu.
Strip - 3	no cover	217 bu.	+15	Strip - 4	201 bu.
Strip - 5	Grass	209 bu.	+14	Strip - 6	196 bu.
Strip - 7	Grass	204 bu.	+15	Strip - 8	190 bu.
Strip - 9	Grass	203 bu.	+18	Strip - 10	185 bu.















PYLE®

PLVHR75

2011/08/09 15:05:09



POWER

V1/V2

MENU

REMOTE

MODE

SYS





- **Increase yield-Profit**

- **Improve water infiltration**

- **Encourage biological activity**

- **Recycle unused nutrients**

- **Increase organic matter**



JAMIE SCOTT

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AUG 15



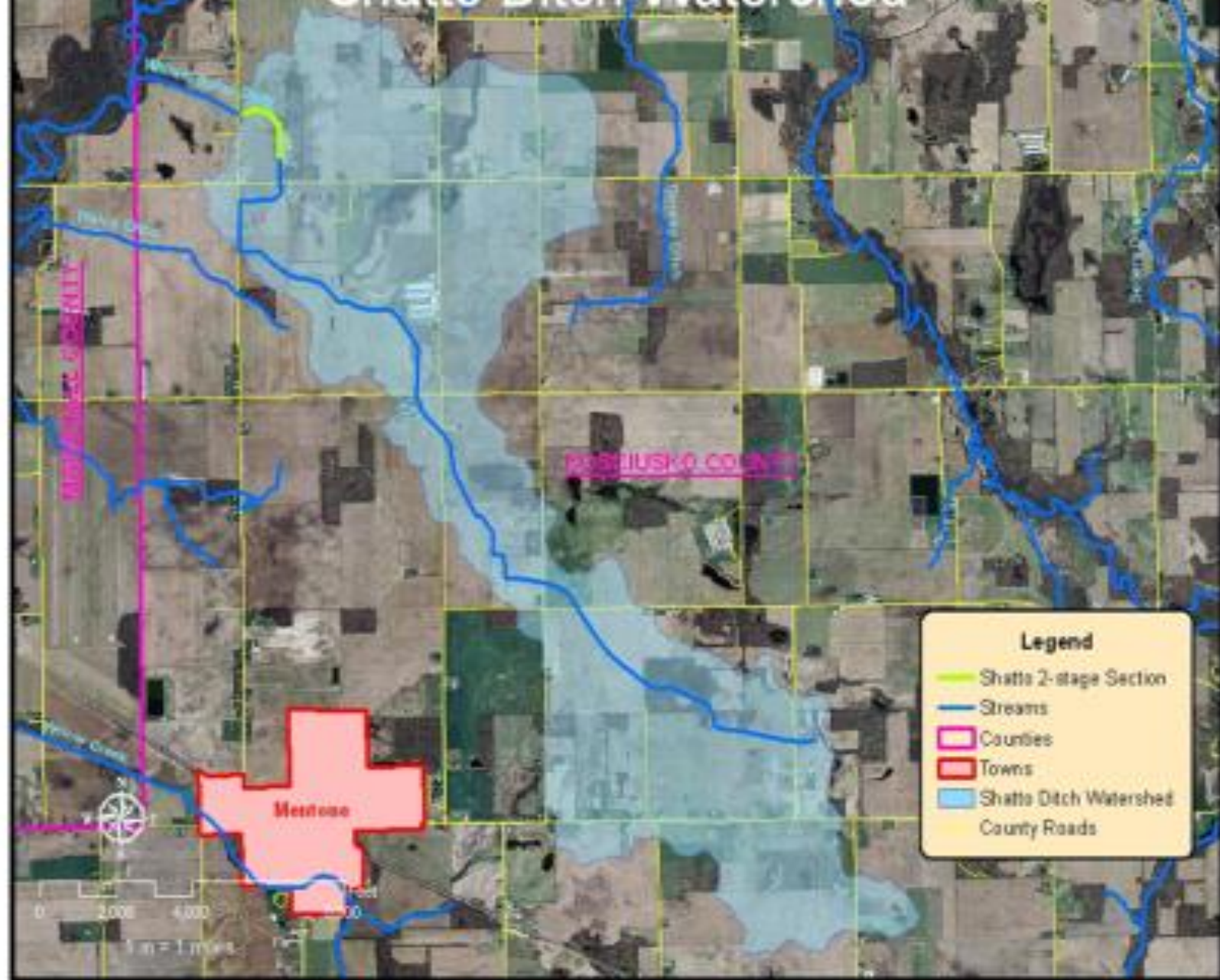
SEP 1



LOTS OF SEEDING TOOLS BUT ONLY TWO SEEDING METHODS

- ON TOP

- IN GROUND



Legend

- Shatta 2-stage Section
- Streams
- Counties
- Towns
- Shatta Ditch Watershed
- County Roads

Menzies

POSTVILLE COUNTY

BOONE COUNTY

0 2000 4000
1 in = 1 mile



Bullet Rotor

9660STS



ELC





















Detroit

Windsor

Lake Erie

Toledo

Cleveland

20 km

















APRIL 1 2015









Buckeye
Mix

Radish & Cobs

Cereal
Rye &
Penn

...

...

...

...

...

 COVER
CROP
SEEDS





















Flown @ 25 lbs/acre
September 14 2011





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