SCOTT'S COVER CROPS LLC

JAMIE SCOTT - PIERCETON, IN

Conservation Legacy Awards
Recognizing the Conservation Achievements of U.S. Soybean Farmers
2008
CONSERVATIONISTS OF THE YEAR
JIM, CATHY, AND JAMIE SCOTT
J. A. SCOTT FARMS, INC.
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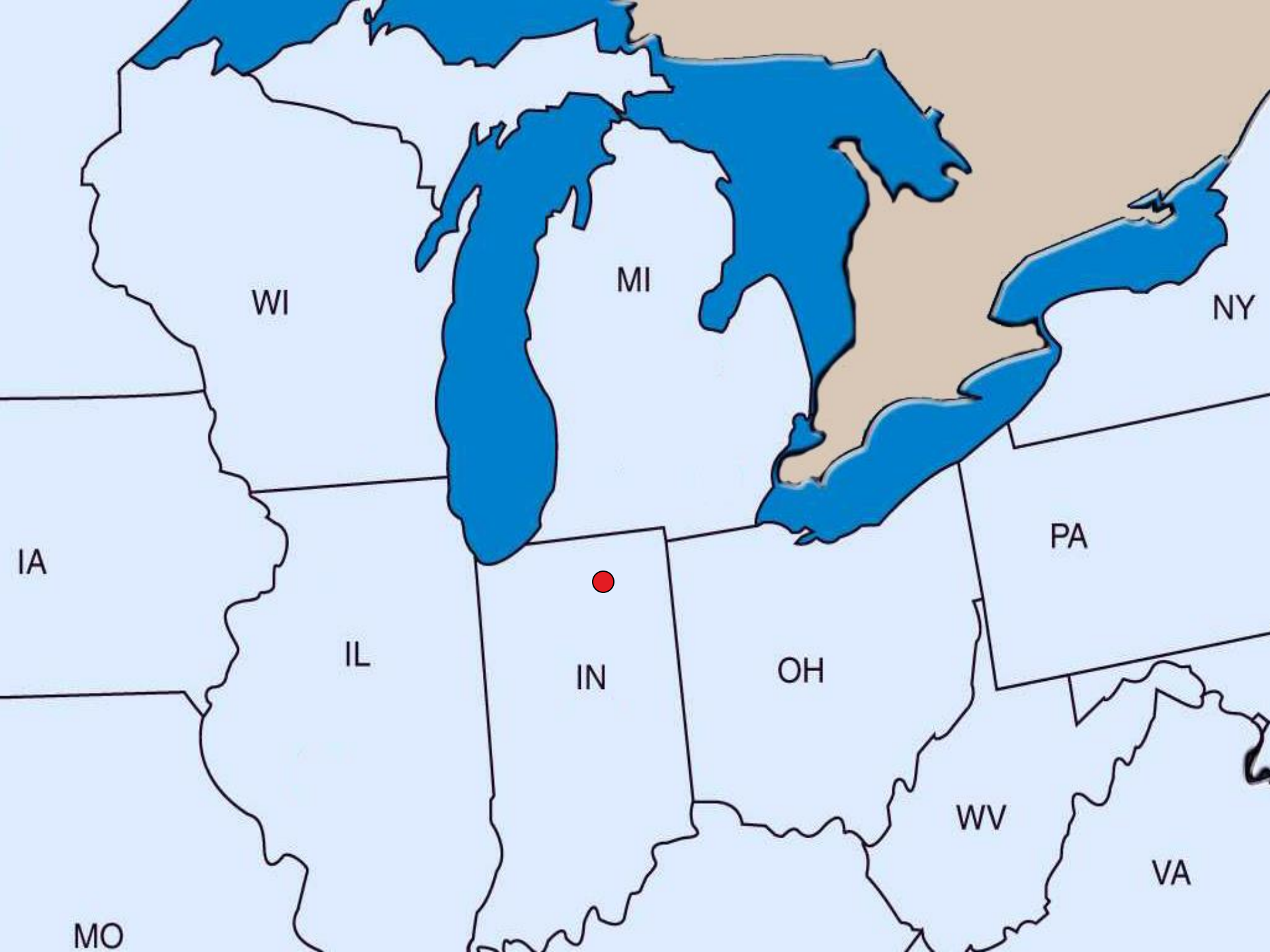
ASA
American Soybean Association
If you believe, belong.
MONSANTO
imagine
CORN & SOYBEAN
DIGEST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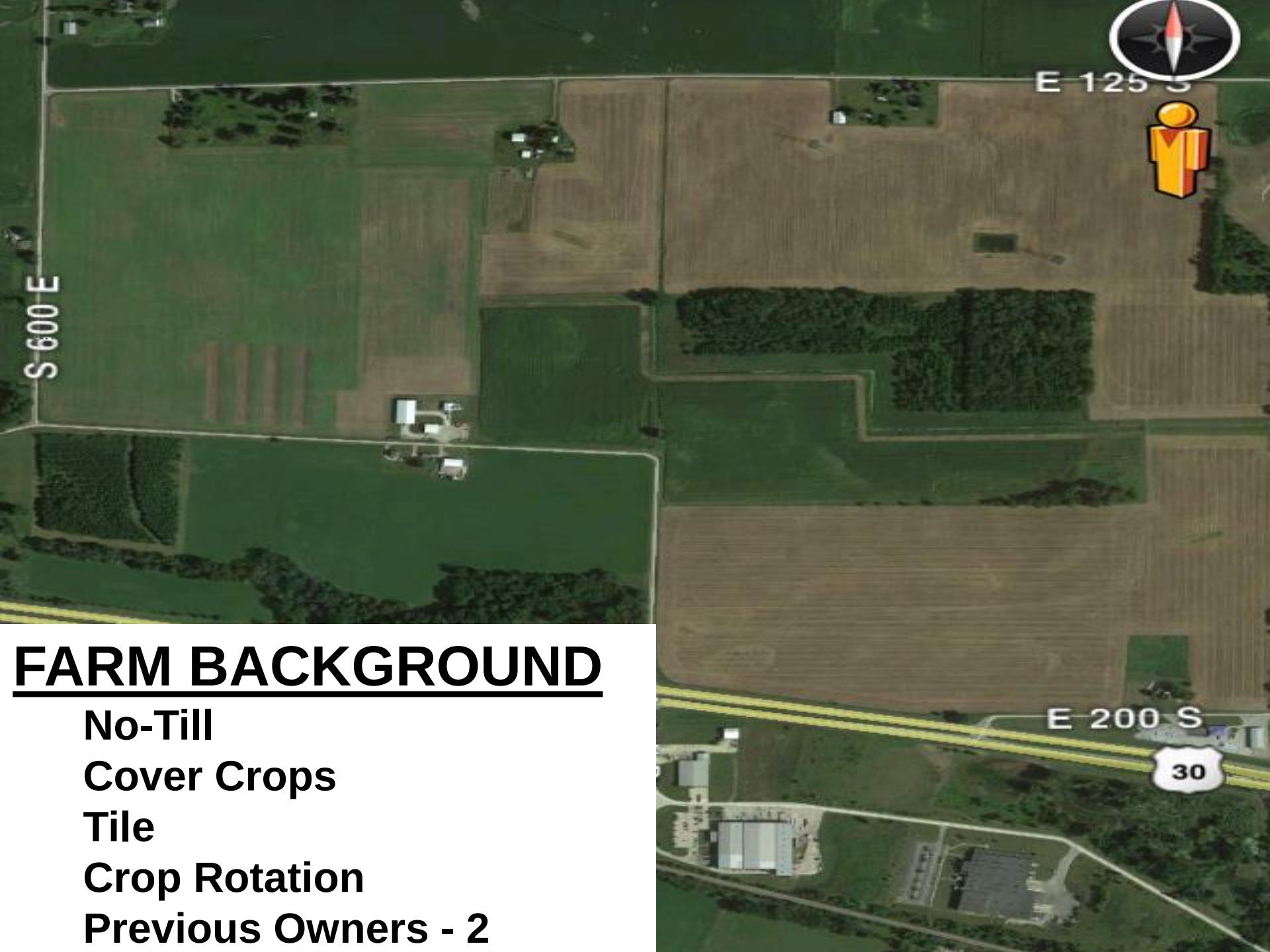

FARM BACKGROUND

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

2015
LOTS OF RAIN

Cover Crop Chart

GROWTH CYCLE	RELATIVE WATER USE	PLANT ARCHITECTURE
A = Annual	= Low	= Upright
B = Biennial	= Medium	= Upright-Spreading
P = Perennial	= High	= Prostrate

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

Broadleaf

Legumes

V 1.0. June 2010

Additional Information

Cover Crop Chart

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----------Cool Season---------- ----------Warm Season----------

---Grass--- ---Grass---

A **Barley**

----------Broadleaf----------

A/P **Ryegrass**

----------Legumes----------

A **Wheat**

A **Cereal rye**

A **Triticale**

V 1.0. June 2010

Additional Information

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

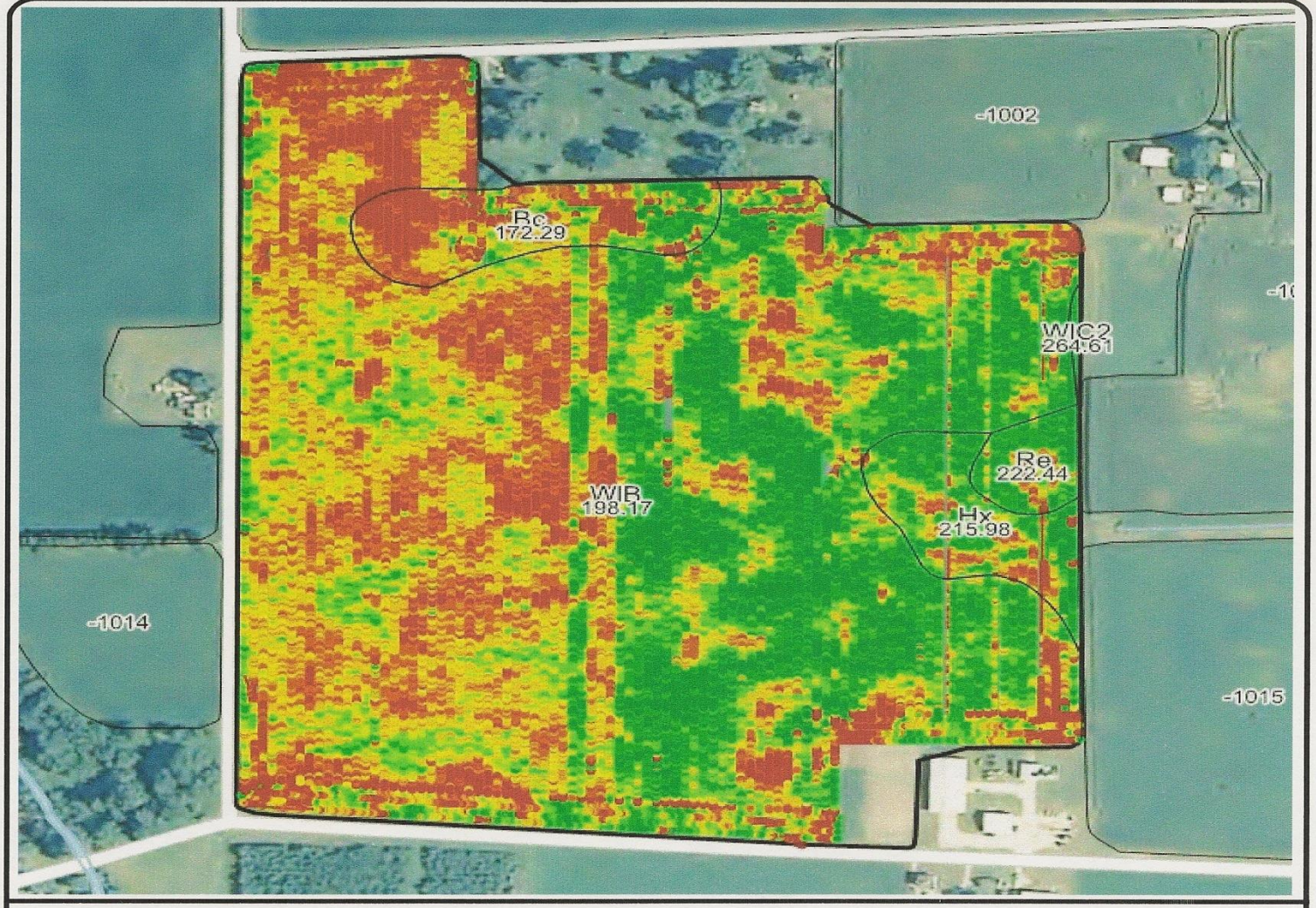
$45.00/acre

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

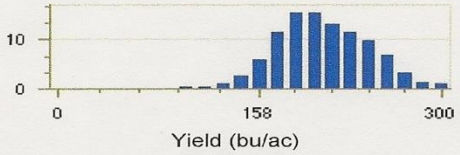
BioTill
COVER
CROP
SEEDS



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)

- > 244
- 222 to 244
- 205 to 222
- 191 to 205
- 178 to 191
- 159 to 178
- < 159

17-Feb-2011

Powered by MapShots

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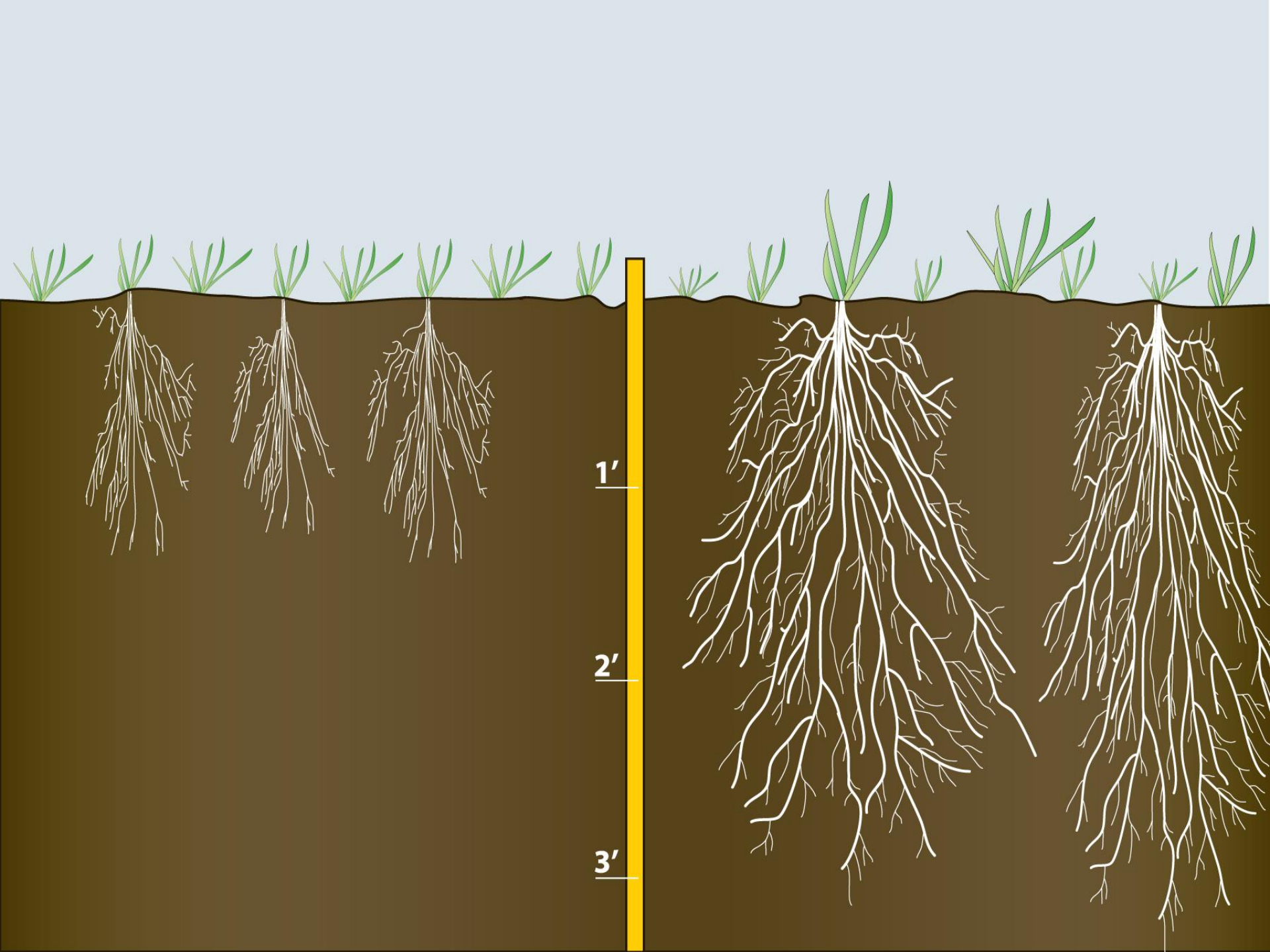
DRILLED

FLOWN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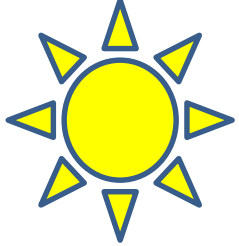
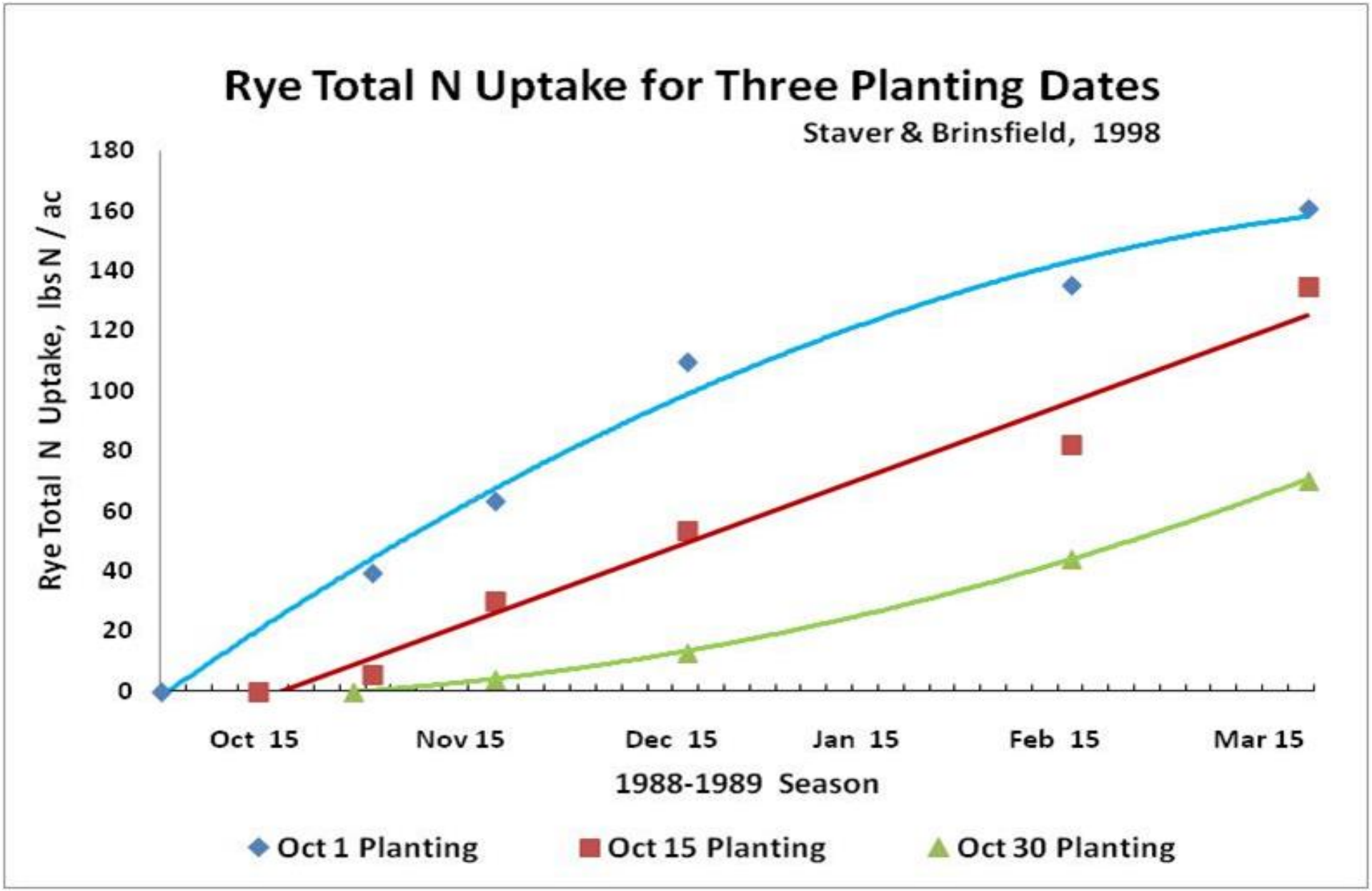


Date	Sunrise	Sunset	Avg. High	Avg. Low	Mean
-Sept. 7	6:15am	7:05pm	78	56	67
-Oct. 7	6:46am	6:14pm	66	44	55

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


Rye Total N Uptake for Three Planting Dates
Staver & Brinsfield, 1998
Rye Total N Uptake, lbs N / ac
180
160
140
120
100
80
60
40
20
0
Oct 15
Nov 15
Dec 15
Jan 15
Feb 15
Mar 15
1988-1989 Season
Oct 1 Planting
Oct 15 Planting
Oct 30 Planting

Advertisement
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port Genuity® Roundup Ready® Alfalfa seed ncluding hay or hay products, to China pending proval. In addition, due to the unique cropping **lo not plant Genuity® Roundup Ready® Alfalfa l County, California,** pending import approvals Monsanto grants express permission for such

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information regarding the intellectual protection for the seed products d in this publication, please see owanddekalb.com.

results may vary, and performance may vary n to location and from year to year. This result an indicator of results you may obtain as local il and weather conditions may vary. Growers uate data from multiple locations and years ossible.

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LIBERTY LINK

RESPECT THE REFUGE

RESPECT THE REFUGE

Pro aerial seeding tips

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

DAMON REABE

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 DIGEST®

AUGUST 2014

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.

16 High-moisture harvest boosts yield

SCOTT FARMS INC
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105

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.

Cabela's

600
GALLONS
500
400
300
200
100
LITERS
2000
1600
1200
800

PYLE
PLVHR75
2017/08/09 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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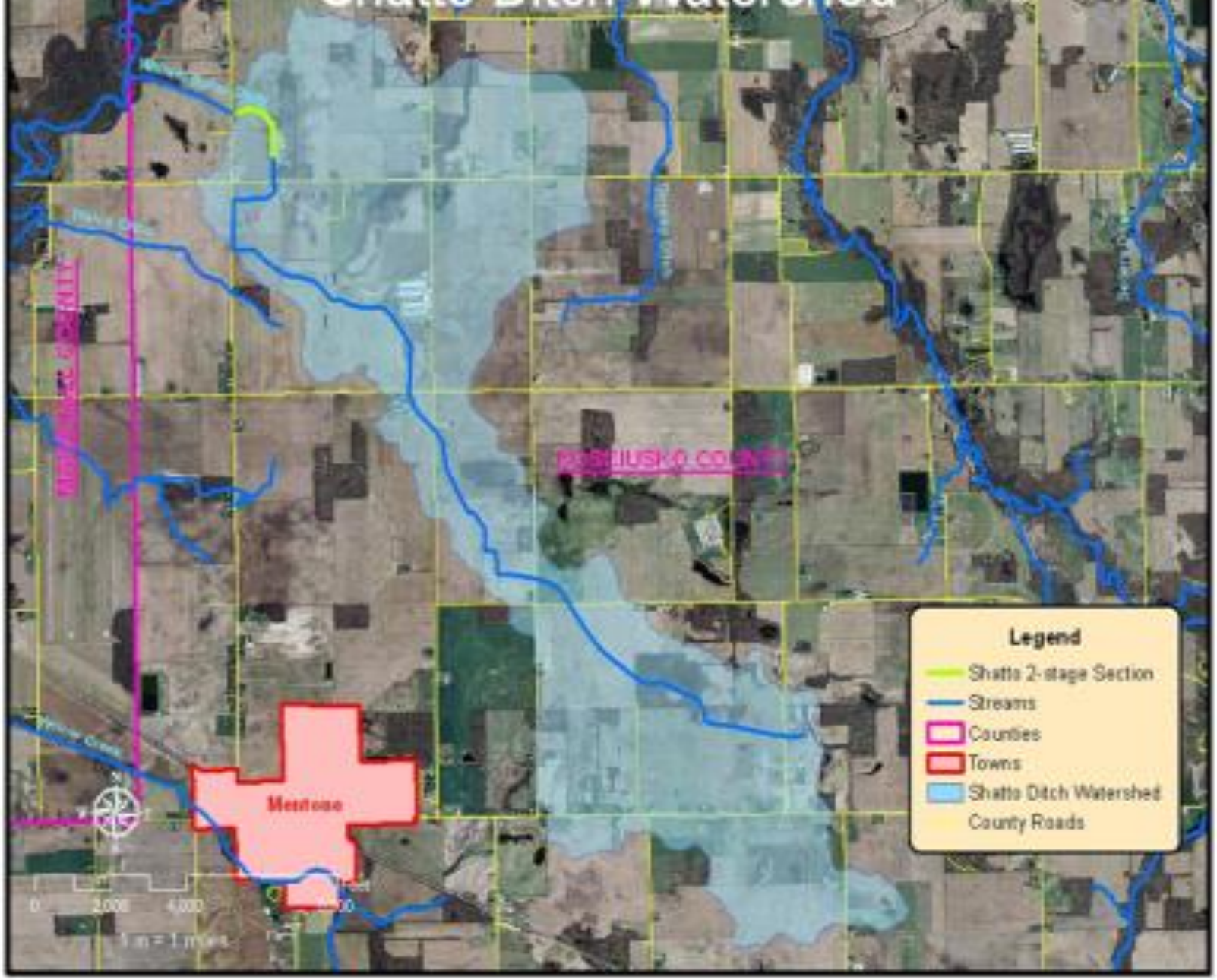
ANNUAL
CEREAL
WHEAT

AUG 15
SEP 1

LOTS OF SEEDING TOOLS BUT ONLY TWO SEEDING METHODS

- ON TOP

- IN GROUND


Legend
Shatto 2-stage Section
Streams
Counties
Towns
Shatto Ditch Watershed
County Roads
Mentone
0 2000 4000
1 in = 1 miles

Bullet Rotor
9660STS

Gandy
Orbit-Air
JOHN DEERE

Detriot
Windsor
Lake Erie
Toledo
Cleveland
20 km

APRIL 1 2015

Buckeye Mix
Radish & Oats
COVER CROP SEEDS

Flown @ 25 lbs/acre
September 14 2011

Compliments of
OREGON RYEGRASS

JAMIE SCOTT

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