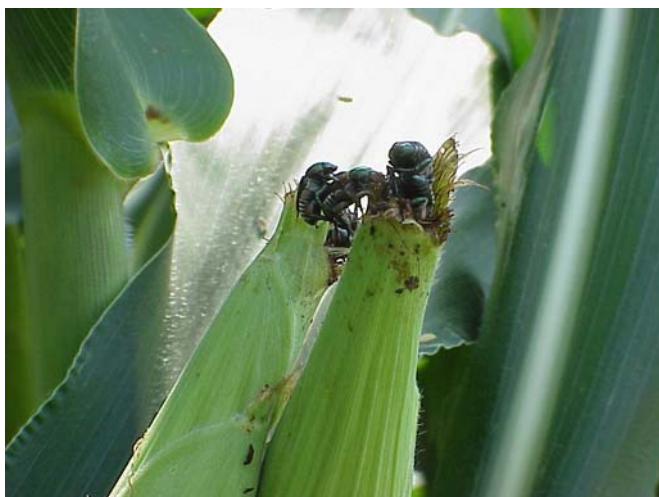




June 18, 2007

Insect Alert – Japanese Beetles

Japanese beetles are being found in high numbers throughout MO, IL, and IN. Other areas should scout for this pest. Mustang Max at 3.2 oz for soybeans or Hero at 4 oz on corn are effective against this pest. Consider applications when the beetles are silk clipping to 1/2" or when heavy feeding 30-40% on soybeans is occurring. Both Mustang Max and Hero are broad spectrum insecticides that will also control many other soybean and corn insect pests.



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MI, northern OH
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FMC



HERO – State of Art Insecticide New for 2007

Hero uses the optimized isomers of the cyano-pyrethroid class for fast activity in combination with the long residual and broad spectrum of the bifeny class of insecticides.

The new label allows use on field corn, seed corn, sweet corn, popcorn, specialty corn, peppers, succulent peas and beans, tomatoes, eggplant, and brassica crops.

In general, the 4 oz rate will be used for the majority of insect situations. Higher rates may be used for crops with concerns about mites or heavy insect infestations.



Recent Trap Catches

<i>County</i>	<i>State</i>	<i>Japanese Beetle</i>	<i>Corn Earworm</i>	<i>Southwestern Corn Borer</i>
St. Clair	IL	2	30	33
Jefferson	IL	578	0	2
Fayette	IL	816	10	4
Massac	IL	15645	47	11
Pope	IL	3231	0	0
Pulaski	IL	467	8	70
		<i>True Armyworm</i>	<i>Corn Earworm</i>	
Princeton	KY	394	20	
		<i>Japanese Beetle</i>		
Ray	MO	935		
Boone	MO	517		
McDonald	MO	975		
St. Charles	MO	391		



Soybean Aphid Management

The key to aphid management is **excellent coverage and early control**. The chart below shows the residual effects if you start with 100 aphid threshold versus 500 aphids before spraying. It also demonstrates the difference between using an excellent coverage program with optimum spray volumes, droplet size and spray pressure versus a marginal program using low spray volumes and low pressure. Spraying early with optimum coverage allows nearly 4 weeks before the aphids build to threshold again within a field. Starting late with poor coverage only gives 7 days control.

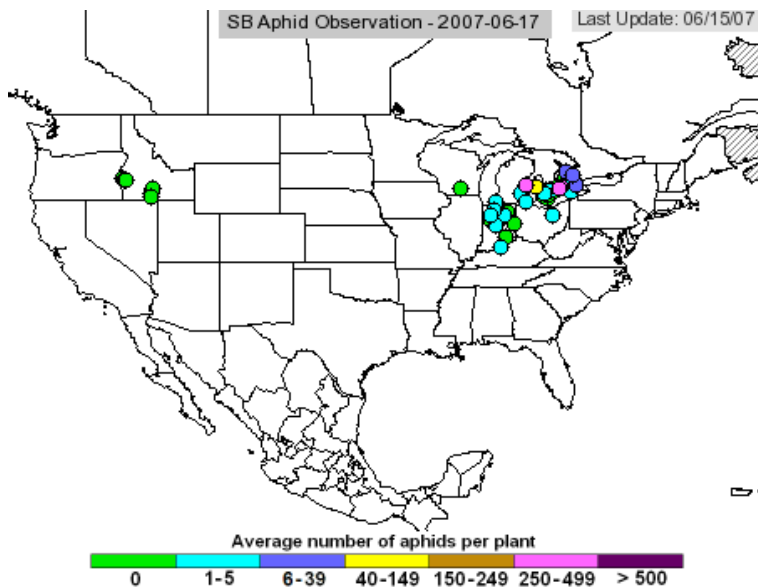
Use Mustang Max at 4 oz/acre or Mustang Max at 3.2 oz/acre + Furadan 4F at 2-3 oz. The addition of Furadan helps with initial knockdown of aphids, rootworm adults, and grasshoppers. It also gives an alternate mode of action against the aphids.

	1 DAT	5 DAT	10 DAT	15 DAT	20 DAT	25 DAT	30 DAT
Excellent Coverage Program 95% Control (start 100 aphids/plant)	5	10	20	40	80	160	320
Marginal Spray Program 85% Control (start 500 aphids/plant)	75	150	300	600	1200	2400	4800

*assumes aphids double their population every 5 days

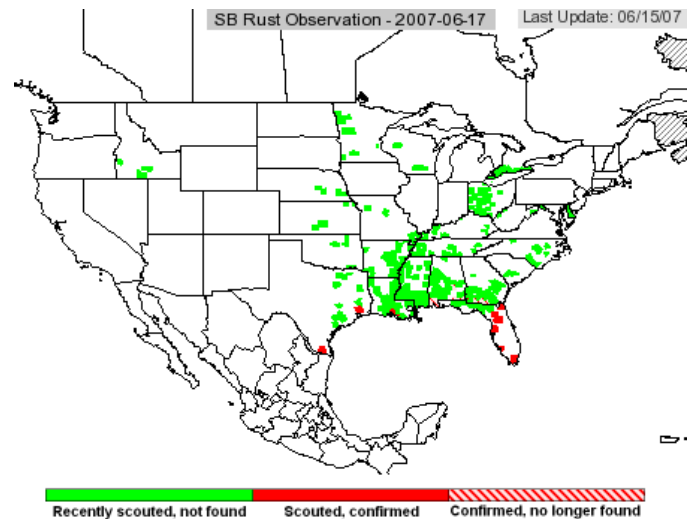
Soybean Aphid – Update Map

MI, northern IN, and northern OH have confirmed aphids with several fields needing treatment.



Soybean Rust – Update Map

Red spots indicate confirmed soybean rust sites.





Aim – Soybeans

Velvetleaf can be a problem in soybeans particularly at harvest. Aim at ¼ oz/acre is a very economic way of controlling this weed. Always use a non-ionic surfactant at 0.25% v/v with Aim. Aim may be tank mixed with glyphosate or other post soybean herbicide products. Expect some crop symptomology. A three year study by midwest universities has shown that PPO symptoms on soybeans may cause an increase in yield response by increasing branching and podding. Aim may be applied to soybeans from maturity groups 2.1 – 3.4 at 1/4 oz and maturity groups 3.5+ at 1/2 oz/acre.



QUESTION OF THE WEEK??

The past three winners will be receiving their gift certificates this week. We just got the new Cabela's gift certificates. Sorry for the delay.

The question this week...There are three classes of pyrethroid chemistry, phenoxy class, cyano class, and the bifenyl class. Name one FMC insecticide in each class and name the other look alike pyrethroids in the cyano class. Bonus for an additional entry into the drawing. What is the name of the most recent FMC insecticide that is superior to all of these products at essentially the same cost?

Send your responses to Robert.Hooten@FMC.com. All correct responses will be placed in a drawing for the gift certificate. Sonia you didn't stump me but I did like the question.