



Purdue Cooperative Extension Service

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## Insects, Mites, And Nematodes

### Soybean Aphid Numbers Back Down Again – (Christian Krupke)

After a spike in aphid numbers about 10 days ago, we are back down to single digits aphids/plant in most areas. At this point it is highly unlikely that aphids will make a 2006 “run” and build the populations sufficient to necessitate treatment. It is useful to note that although we had aphid numbers in the low to mid 100’s/plant in some fields, followed by favorable “aphid weather” (temperatures in the 80’s, low relative humidity) we did not have any of these fields reach threshold. This is an example of the importance of scouting when it comes to these pests, and of the folly of “spraying early.” Growth curves of soybean aphid populations are difficult, if not impossible, to predict and the best bet is sticking to weekly counts and treating only at threshold. We will have another update on soybean aphid numbers later this month.



Severe woollybear caterpillar feeding



### Harvest Restrictions for Soybean Insecticides – (John Obermeyer and Christian Krupke)

Fortunately soybean aphid has not developed as much of a threat this year. However, defoliating insects such as

bean leaf beetle, woollybear caterpillars, or grasshopper may be on the rise in some fields. The following listing includes some of the many insecticides registered for soybean insect control, including rate per acre and harvest restrictions. Refer to the label for insects controlled and specific rates and application information.

## Soybean Insecticides and Harvest Restrictions

Product	Rate and Formulation	Days Before Harvest
carbaryl (Sevin)	2/3 lb. 80WSP 1 - 2 pt. 4F, XLR+	21 21
chlorpyrifos (Lorsban)*	1 pt. 4E	28
cyfluthrin (Baythroid 2)*	1.6 – 2.8 oz. 2EC	45
deltamethrin (Delta Gold)*	1.5 – 1.9 fl. oz. 1.5EC	21
dimethoate (Dimethoate)	1 pt. 400, 4EC	21
esfenvalerate (Asana XL)*	5.8 - 9.6 oz. 0.66EC	21
gamma-cyhalothrin (Proaxis)*	1.9 – 3.2 oz. 0.5EC	45
lambda-cyhalothrin (Warrior)*	1.9 - 3.2 oz. 1CS	30
permethrin (Ambush)* (Pounce)*	3.2 - 6.4 oz. 2EC 2 - 4 oz. 3.2EC	60 60
zeta-cypermethrin (Mustang Max)*	2.8 – 4.0 oz. 1.5EW	21

\* Restricted Use Pesticide



## Black Light Trap Catch Report - (John Obermeyer)

County/Cooperator	8/1/06 - 8/7/06							8/8/06 - 8/14/06						
	VC	BCW	ECB	SWCB	CEW	FAW	AW	VC	BCW	ECB	SWCB	CEW	FAW	AW
Dubois/SIPAC Ag Center	0	2	0	0	24	0	1	0	3	8	0	6	0	7
Jennings/SEPAC Ag Center	1	3	23	0	10	0	2	0	4	12	0	4	0	4
Knox/SWPAC Ag Center	0	1	7	1	14	0	2							
LaPorte/Pinney Ag Center	0	0	122	0	5	0	2	0	0	177	0	2	0	2
Lawrence/Feldun Ag Center	0	5	0	0	35	0	1	0	13	6	0	8	0	6
Randolph/Davis Ag Center	0	1	25	0	2	0	4	0	2	18	0	7	0	4
Tippecanoe/TPAC Ag Center	0	5	319	0	32	0	10	0	4	46	0	9	0	15
Whitley/NEPAC Ag Center	1	0	51	0	8	0	3	0	0	102	0	4	0	0

VC = Variegated Cutworm, BCW = Black Cutworm, ECB = European Corn Borer, SWCB = Southwestern Corn Borer, CEW = Corn Earworm, FAW = Fall Armyworm, AW = Armyworm

# Weather Update

Temperatures as of August 16, 2006

GDD(2) = Growing Degree Days from April 12 (2% of Indiana's corn planted), for corn growth and development  
 GDD(10) = Growing Degree Days from April 26 (10% of Indiana's corn planted), for corn growth and development  
 GDD(33) = Growing Degree Days from May 3 (33% of Indiana's corn planted), for corn growth and development  
 GDD(74) = Growing Degree Days from May 10 (74% of Indiana's corn planted), for corn growth and development

## MAP KEY

Location			
GDD(2)	GDD(10)	GDD(33)	GDD(74)

**Bug Scout says: "Besides a free cap, there's some good information to glean at field days. Hope to see you at one!"**



## 4" Bare Soil Temperatures 8/16/06

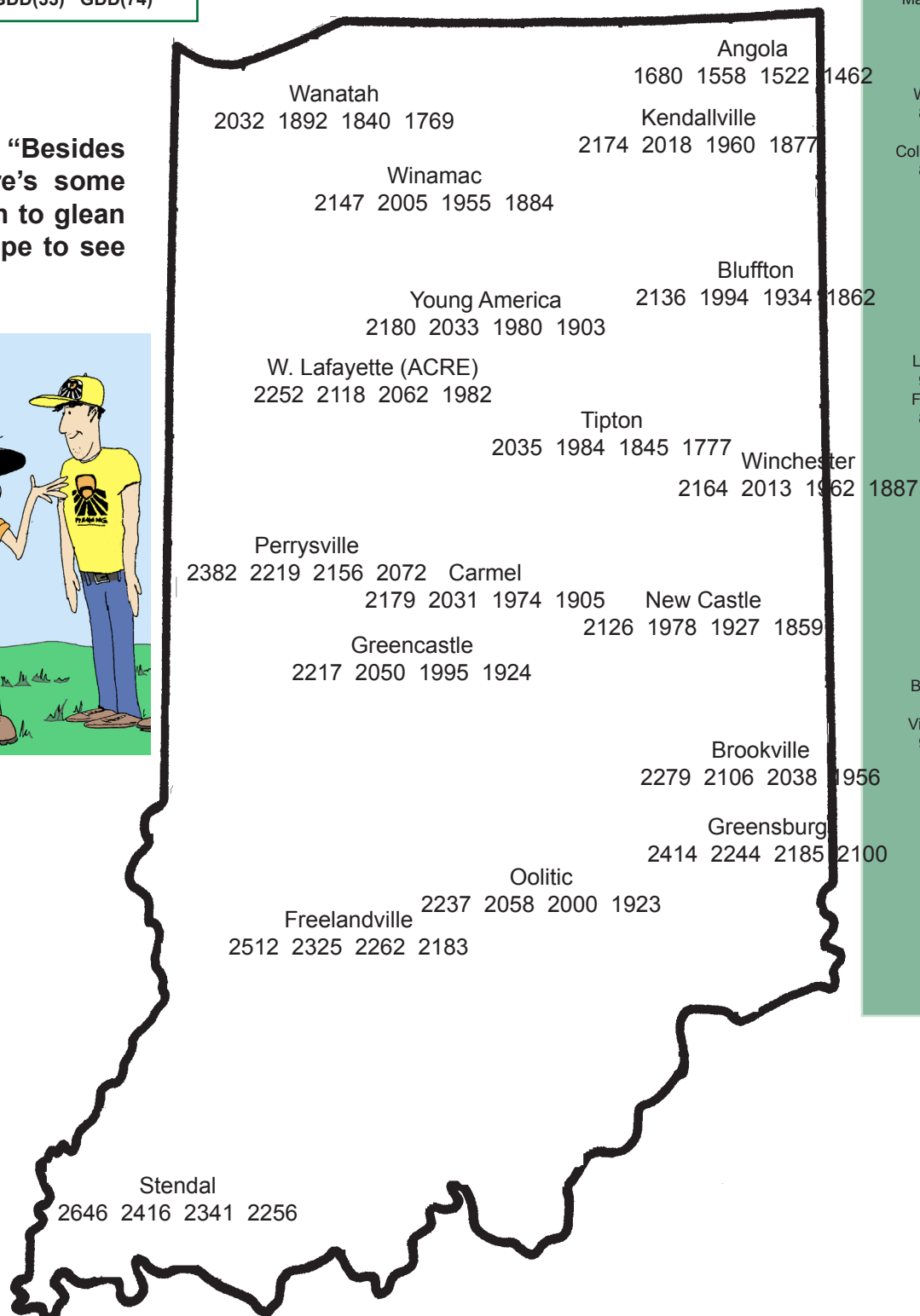
Location	Max.	Min.
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Wanatah	80	66
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Columbia City	85	65
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Lafayette	90	67
Farmland	88	63

Butler	92	71
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