

## Farm and Weather Summary

Kevin Van Dee, farm superintendent

### Farm Comments

*Developments.* A John Deere 9410 combine was purchased in 2007 to replace the John Deere 4400 combine. The 9410 combine will have a weighing system installed in 2008 so the combine can be used in plots during harvest this fall.

*Field Days and Tours.* Three events were held in 2007. The spring field day drew a large crowd. A grape growers' workshop and the fall field day were also successful events. A total of 784 people visited the farm in 2007.

*New Projects.* Corn rootworm Bt trial, Gary Munkvold; Soybean development study and soybean population by protein study, Palle Pedersen; Grain sorghum variety trial, Jim Fawcett; Corn foliar fungicide trial and corn seed treatment studies, Alison Robertson; and Pharmacorn breeding research, Kan Wang.

### Crop Season Comments

Corn planting began April 18 and was completed May 11. Harvest began September 17 and was completed October 23 with yields of 160 to 210 bushels/acre.

Soybean planting began May 1 and was completed May 23. Harvest began September 24 and was completed October 25 with yields of 50 to 62 bushels/acre.

### Weather Comments

*Winter.* The first heavy snow was January 14, 2007. The soil moisture profile was above average by planting time in 2007.

*Spring.* Precipitation was above average during the spring. Temperatures fluctuated widely, starting off above average in March, then below average in April, and finally above average for the remainder of the spring.

*Summer.* Summer temperatures were below average for July and above average for the remainder of the season. Precipitation totals were above average during the entire summer.

*Fall.* Corn yields were above average in both corn following soybeans and in continuous corn. Soybean yields were generally average compared with recent years. The winter wheat was off to a good start for 2008, and soil moisture was at capacity going into 2008.

**Table 1. Southeast Research and Demonstration Farm, Crawfordsville, monthly rainfall and average temperatures for 2007.**

Month	Rainfall (in.)		Temperature (°F)		Days 90° or above
	2007	Deviation from normal	2007	Deviation from normal	
March	4.76	2.81	45.2	6.9	0
April	5.04	1.82	48.2	-3.8	0
May	5.50	0.84	67.2	5.9	0
June	7.95	4.38	71.8	1.2	8
July	4.87	1.39	74.0	-1.0	4
August	9.23	5.50	76.5	4.2	11
September	2.00	-0.52	66.9	1.7	3
October	<u>3.38</u>	<u>0.24</u>	57.2	4.6	<u>0</u>
Totals	42.73	16.46			26