

OBJECTIVE YIELD: Corn, Soybeans, and Spring Wheat, Minnesota, 2003-2007

The USDA, NASS, Minnesota Field Office conducts objective yield surveys for corn, soybeans, and spring wheat. Randomly selected plots in fields across the state are visited monthly from August through harvest to obtain specific counts and measurements. Data in these tables are rounded actual counts from these surveys and are not official estimates of the Agricultural Statistics Board, but are intended to show trends in production practices.

CORN FOR GRAIN: Plant Population per Acre 1/

Month	2003	2004	2005	2006	2007
	<u>Number of Plants</u>				
September	28,700	29,300	28,400	28,850	29,850
November	28,800	29,250	28,400	28,900	29,750
Final	28,800	29,300	28,450	28,900	

CORN FOR GRAIN: Percentage Distributions by Row Width and Average Row Width

Year	Number of Samples	Row Width (Inches) 2/					Average Row Width 2/	
		20.5 or Less	20.6-30.5	30.6-34.5	34.6-36.5	36.6-38.5		38.6 & Greater
	<u>Number</u>	<u>Percent of Plots</u>					<u>Inches</u>	
2003	166	4.2	77.7	13.3	1.8	1.8	1.2	29.1
2004	160	1.9	76.2	17.5	1.9	2.5	--	29.2
2005	176	2.3	82.4	10.2	4.0	1.1	--	28.7
2006	178	3.4	82.0	10.7	1.1	2.8	--	28.7
2007	166	6.6	71.1	16.9	3.0	2.4	--	28.5

SOYBEANS: Pods with Beans per 18 Square Feet 1/

Month	2003	2004	2005	2006	2007
	<u>Number of Pods</u>				
September	1,582	1,487	1,684	1,612	1,676
November	1,440	1,446	1,640	1,568	1,588
Final	1,440	1,435	1,640	1,568	1,588

SOYBEANS: Percentage Distributions by Row Width and Average Row Width

Year	Number of Samples	Row Width (Inches) 2/					Average Row Width 2/
		10.0 & Less 3/	10.1-18.5	18.6-28.5	28.6-34.5	34.6 & Greater	
	<u>Number</u>	<u>Percent of Plots</u>					<u>Inches</u>
2003	92	19.6	31.5	10.9	36.9	1.1	19.6
2004	101	20.8	25.2	20.3	30.7	3.0	20.2
2005	98	14.8	27.5	19.4	38.3	--	21.2
2006	107	18.3	31.9	15.5	34.3	--	20.0
2007	109	13.4	31.3	16.1	38.3	0.9	21.1

SPRING WHEAT: Heads per Square Foot 1/

Month	2003	2004	2005	2006	2007
	<u>Number of Heads</u>				
Final	55.9	55.0	52.2	50.3	52.5

1/ Based on counts in plots selected for objective yield samples.

2/ Spacings based on row measurements in sample plots selected for objective yield survey.

3/ Broadcast soybeans included as 10.0 inches and less but excluded in computation of average width.