

OBJECTIVE YIELD: Corn, Soybeans, and Spring Wheat, Minnesota, 2001-2005

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	2001	2002	2003	2004	2005
	<u>Number of Plants</u>				
September	28,050	26,950	28,700	29,300	28,400
November	28,000	26,800	28,800	29,250	28,400
Final	28,000	26,800	28,800	29,300	

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

Year	Number of Samples	Row Width (Inches) 2/						Average Row Width
		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>
2001	162	2.5	66.7	22.2	3.1	4.3	1.2	29.5
2002	158	1.9	69.5	19.0	3.2	5.1	1.3	30.0
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

SOYBEANS: Pods with Beans per 18 Square Feet 1/

Month	2001	2002	2003	2004	2005
	<u>Number of Pods</u>				
September	1,492	1,688	1,582	1,487	1,684
November	1,475	1,739	1,440	1,446	1,640
Final	1,475	1,715	1,440	1,435	1,640

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>
2001	91	14.8	25.8	17.0	41.9	0.5	21.5
2002	103	19.9	24.3	20.9	33.0	1.9	20.2
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

SPRING WHEAT: Heads per Square Foot 1/

Month	2001	2002	2003	2004	2005
	<u>Number of Heads</u>				
Final	49.1	50.6	55.9	55.0	52.2

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.