

Planting Date Effects on Corn 2.20.2009 03/26/09 10:16:51 AM

Different Planting Dates and Corn 2.20.2009

HEC Newsletter: Different Effects on Corn with various Planting Dates.

As we all know we will be facing challenges this spring with getting the crop in. We also know how important it is to try to get the corn in as soon as possible. NDSU has done research with different hybrids, maturity, and planting dates. The following research was done in 2003 at their Fargo research station.

			Planting Date											
			5/1	5/16	6/3	5/1	5/16	6/3	5/1	5/16	6/3	5/1	5/16	6
Company	Hybrid	RM	Yield (bu/acre)			Moisture (%)			Value (\$/acre)			Test Wt.(lbs/bush)		
Syngenta	N03-D8	69	90.8	87.6	51.1	13.7	12.6	13.0	208.5	204.6	118.7	58.3	59.3	5
Pioneer	39R34	77	84.3	78.4	76.5	12.4	13.0	13.7	197.8	182.5	176.1	60.7	61.3	6
Advanta	Garst 8977	78	103.5	109.0	82.2	12.8	12.7	13.5	241.2	254.3	189.9	57.2	58.2	5
Proseed	Proseed 7902	79	100.5	112.1	79.8	13.4	14.0	16.4	233.0	257.2	176.6	59.3	59.2	5
Proseed	Proseed T81	81	97.0	81.8	80.8	13.3	13.3	16.6	224.4	189.2	178.9	57.8	59.0	5
Syngenta	N17-R3	82	98.5	117.5	81.1	13.7	12.8	15.8	226.9	274.0	181.6	60.0	59.8	5
Proseed	Proseed T82	82	107.2	106.6	89.3	14.6	13.0	16.7	243.2	247.8	197.2	60.0	60.7	5
Proseed	Proseed RRS83	83	92.5	104.1	90.7	13.2	13.4	16.8	214.4	240.7	201.0	57.7	58.3	5
Pioneer	39R79	85	107.8	128.0	101.8	14.5	14.7	14.9	246.0	291.0	231.6	57.7	58.5	5
NDSU	OP1	86	86.0	99.6	64.5	14.0	15.8	19.6	197.4	223.2	137.4	58.8	59.3	5
Proseed	Proseed XES 86	86	102.1	129.9	96.2	13.9	14.3	17.6	234.9	296.7	209.9	59.7	59.2	5
Advanta	Garst 8959YG1	86	109.5	113.9	81.6	13.7	14.0	17.2	252.1	261.6	179.0	59.0	58.7	5
NDSU	OP2	89	106.4	105.0	71.6	15.9	17.4	22.7	239.6	229.8	145.3	59.7	59.7	5
Syngenta	N27-M3	90	117.2	149.2	112.1	14.4	15.9	19.0	267.0	334.0	240.1	59.3	59.5	5
Syngenta	N29-A2	92	102.9	130.4	83.1	13.2	14.1	18.3	238.8	298.0	180.0	56.3	57.5	5
Proseed	Proseed PS92BT	92	108.9	129.1	98.1	14.3	13.3	21.1	249.2	299.0	204.4	58.0	56.3	5
Syngenta	N32-L9	94	107.8	119.5	99.5	14.0	12.5	16.9	246.9	279.8	219.5	56.5	56.2	5
Advanta	Garst 8880 YG1	96	104.5	135.1	109.2	16.3	15.3	22.5	232.9	304.8	222.4	58.3	55.5	5
Proseed	Proseed	97	119.4	132.1	96.8	15.5	17.2	23.5	268.8	290.2	194.3	58.2	57.8	5

	97T02													
Syngenta	N43-C4	98	110.3	119.2	84.5	15.1	13.9	24.5	249.6	273.7	167.5	55.7	55.7	49.8
Pioneer	38H67	99	111.3	142.2	108.8	14.2	16.3	25.1	254.6	316.3	211.6	58.8	55.7	52.7
Average			104.1	116.8	86.5	14.4	14.8	19.3	237.7	264.4	184.6	58.4	58.4	56.1
LSD 5% ¹				14.5			1.8			33.0			1.4	
1- LSD value is for comparison of values within a column of the same variable.														

Higher corn grain yields will be obtained with early plantings. In most regions this means seeding between the last week of April and May 15. Early planting is recommended because risk of fall frost damage is greater with each day planting is delayed. The risk increases rapidly after May 20 and seeding corn for grain production is not recommended after June 1. Select and plant early-maturing, short-season hybrids when planting is delayed because of wet, cold planting conditions. Date of planting studies have been conducted at Oakes, Casselton and Fargo, ND. In these studies approximately one bushel per day was lost by delay of planting during the month of May.

Source: NDSU