

**Table 1. The Effect of N fertilizer rate and sidedress application of N on yield of corn.**

N Rate		1999			2000			2001		N Rate	
preplant	sidedress	2654	2655	average	2654	2655	average	2654	2655	average <sup>1</sup>	
	0							89	104	97	a
	80				154	158		130	125	128	b
	120				155	162		134	125	130	bc
	140	185	184								
	160	180	181	182	157	160	158	122	137	129	bc
	180	192	170								
	120	40			158	157	159	128	138	140	c
	80	80			163	157		133	147	133	bc
	140	112	188	182	184						
	160	64	191	178							
	180	64	190	175							
		preplant Sidedress			preplant Sidedress			preplant Sidedress			
p>F		ns	ns		ns	ns		<0.01	<0.01		

**Table 2. The Effect of N fertilizer rate and sidedress application of N on protein content of corn.**

N Rate		1999			2000			2001		N Rate	
preplant	sidedress	2654	2655	average	2654	2655	average	2654	2655	average <sup>1</sup>	
	0							7.6	7.9	7.7	a
	80				9.9	9.5		8.8	9.1	8.9	b
	120				9.8	9.7		9.1	9.2	9.1	bc
	140	7.5	7.2								
	160	7.4	7.5	7.4	10.0	9.7	9.8	9.1	9.3	9.2	c
	180	7.7	7.2								
	120	40			9.9	9.8	9.9	9.6	9.4	9.5	d
	80	80			10.0	9.8		9.4	9.7	9.5	d
	140	112	8.1	7.9	7.9						
	160	64	7.9	7.9							
	180	64	7.9	7.8							
		preplant sidedress			preplant sidedress			preplant sidedress			
p>F		ns	<0.01		ns	ns		<0.01	<0.01		

**Table 3. The Effect of N fertilizer rate and sidedress application of N on oil content of corn.**

N Rate		1999			2000			2001		N Rate	
preplant	sidedress	2654	2655	average	2654	2655	average	2654	2655	average <sup>1</sup>	
	0							6.3	6.2	6.3	a
	80				6.3	6.3		6.1	5.9	6.0	b
	120				6.3	6.3		5.9	6.1	6.0	b
	140	5.9	6.0								
	160	5.9	5.9	5.9	6.3	6.3	6.3	6.1	6.0	6.1	bc
	180	5.7	5.8								
	120	40			6.2	6.3	6.3	6.1	6.0	6.0	bc
	80	80			6.3	6.3		6.0	6.1	6.1	c
	140	112	5.8	5.7	5.8						
	160	64	5.7	5.7							
	180	64	5.8	6.1							
		preplant sidedress			preplant sidedress			preplant sidedress			
p>F		ns	<0.01		ns	ns		<0.01	<0.01		

<sup>1</sup>Means with a column followed by a common letter are not significantly different (P>0.05).