Table (3): Average plant height and ear height as affected by splitting nitrogen and hybrid types.

Treatment hybrids / Splitting N	Season 2008					Season 2009				
	N_1	N_2	N_3	N_4	Mean	N_1	N_2	N_3	N_4	Mean
	Plant height (cm)									
Var. 1	232.3	239.3	285.0	267.8	256.1	228.8	240.0	285.0	260.0	253.4
Var. 2	228.5	237.8	276.5	259.3	250.5	223.0	234.8	268.8	257.3	245.9
Var. 3	211.3	218.5	248.3	227.3	226.3	207.5	212.8	250.0	220.0	222.6
Var. 4	202.3	214.5	245.5	226.0	222.1	197.5	210.0	249.0	218.3	218.7
Mean	218.6	227.5	263.8	245.1	238.8	214.2	224.4	263.2	238.9	235.2
LSD 0.05 A (var.)		=	0.833					2.107		
LSD 0.05 B (N.)		=	1.224					1.479		
LSD 0.05 AB (Var. x N)	=		2.448					2.958		
	Ear height (cm)									
Var. 1	112.0	115.5	128.8	121.3	119.4	108.8	110.0	120.0	116.0	113.7
Var. 2	108.0	113.0	125.3	119.3	116.4	107.5	110.0	118.0	114.5	112.5
Var. 3	100.3	102.5	117.8	106.5	106.8	101.5	103.0	112.0	106.0	105.6
Var. 4	98.0	101.0	116.5	104.8	105.1	100.0	102.0	111.5	104.8	104.6
Mean	104.6	108.0	122.1	113.0	111.9	104.5	106.3	115.4	110.3	109.1
LSD 0.05 A (var.)		=	0.513					0.268		
LSD 0.05 B (N.)		=	0.430					0.411		
LSD 0.05 AB (Var. x N)	=		0.861					0.822		

Table (4): Average number of total leaves per corn plant and number of green leaves/corn plant at harvest as affected by splitting nitrogen and hybrid types.

Treatment hybrids / Splitting N	Season 2008					Season 2009				
	N_1	N_2	N_3	N_4	Mean	N_1	N_2	N_3	N_4	Mean
	No. of total leaves/corn plant									
Var. 1	10.00	11.00	11.75	11.0	10.94	11.00	11.00	12.00	12.0	11.50
Var. 2	10.00	10.75	11.00	11.00	10.69	11.00	11.00	12.00	12.00	11.50
Var. 3	9.00	10.00	11.00	10.00	10.00	10.00	10.00	11.00	10.00	10.25
Var. 4	9.00	9.50	11.00	10.00	9.88	9.25	10.00	11.00	10.00	10.06
Mean	9.50	10.31	11.19	10.50	10.38	10.31	10.50	11.50	11.00	10.83
LSD 0.05 A (var.)		=	0.13					0.101		
LSD 0.05 B (N.)		=	0.16					0.091		
LSD 0.05 AB (Var. x N) =			0.32					0.181		
	No. of green leaves/corn plant									
Var. 1	4.750	5.000	7.250	6.500	5.875	4.250	5.000	7.250	6.000	5.625
Var. 2	4.000	5.000	7.000	6.000	5.500	4.000	5.000	6.500	6.000	5.375
Var. 3	3.000	3.500	6.000	4.000	4.125	2.000	3.000	6.000	4.000	3.750
Var. 4	2.000	3.000	5.000	4.000	3.500	1.750	3.000	5.250	3.750	3.438
Mean	3.438	4.125	6.313	5.125	4.750	3.000	4.000	6.250	4.938	4.547
LSD 0.05 A (var.)		=	0.243					0.262		
LSD 0.05 B (N.)		=	0.165					0.187		
LSD 0.05 AB (Var. x N) =			0.330					0.374		

Table (5): Average ear length and ear diameter as affected by splitting nitrogen and hybrid types.

Treatment hybrids / Splitting N	Season 2008					Season 2009				
	N_1	N_2	N_3	N_4	Mean	N_1	N_2	N_3	N_4	Mean
	Ear length (cm)									
Var. 1	20.20	20.45	23.30	21.75	21.43	20.20	20.85	23.60	22.00	21.66
Var. 2	20.08	20.40	22.35	21.55	21.09	20.18	20.55	22.75	21.70	21.29
Var. 3	19.10	19.63	21.20	20.00	19.98	19.38	19.80	21.40	20.0	20.14
Var. 4	17.20	19.38	20.88	19.83	19.32	18.50	19.68	21.00	20.00	19.79
Mean	19.15	19.97	21.93	20.78	20.46	19.57	20.22	22.19	20.93	20.72
LSD 0.05 A (var.)	=	0.504						0.067		
LSD 0.05 B (N.)	=	0.435						0.107		
LSD 0.05 AB (Var. x N)	=	0.871						0.213		
	Ear diameter (cm)									
Var. 1	4.570	4.640	4.925	4.780	4.729	4.500	4.600	4.775	4.670	4.636
Var. 2	4.555	4.600	4.825	4.740	4.680	4.500	4.505	4.700	4.610	4.579
Var. 3	4.330	4.465	4.700	4.510	4.501	4.400	4.400	4.600	4.500	4.475
Var. 4	4.140	4.415	4.665	4.490	4.428	4.275	4.400	4.600	4.443	4.429
Mean	4.399	4.530	4.779	4.630	4.585	4.419	4.476	4.669	4.556	4.530
LSD 0.05 A (var.)	=	0.016						0.017		
LSD 0.05 B (N.)	=	0.018						0.014		
LSD 0.05 AB (Var. x N)	=	0.035						0.028		

Table (6):Average number of rows/ear and number of kernels/row as affected by splitting nitrogen and hybrid types.

Treatment hybrids / Splitting N	Season 2008					Season 2009				
	N_1	N_2	N_3	N_4	Mean	N_1	N_2	N_3	N_4	Mean
	No. of rows/ear									
Var. 1	14.00	14.00	18.00	16.00	15.50	14.00	14.00	18.00	16.0	15.50
Var. 2	14.00	14.00	16.50	16.00	15.13	14.00	14.00	16.00	15.50	14.88
Var. 3	12.50	14.00	14.50	14.00	13.75	12.00	14.00	14.00	14.00	13.50
Var. 4	12.00	14.00	14.00	14.00	13.50	12.00	13.00	14.00	14.00	13.25
Mean	13.13	14.00	15.75	15.00	14.47	13.00	13.75	15.50	14.88	14.28
LSD 0.05 A (var.)	=	0.373						0.268		
LSD 0.05 B (N.)	=	0.268						0.268		
LSD 0.05 AB (Var. x N)	=	0.535						0.535		
	No. of kernels/row									
Var. 1	40.00	40.50	50.00	46.25	44.19	40.0	40.00	48.50	46.00	43.63
Var. 2	40.00	40.00	47.50	45.00	43.13	40.00	40.00	46.50	44.50	42.75
Var. 3	39.00	39.25	41.00	40.00	39.81	38.00	39.00	40.50	40.00	39.38
Var. 4	38.25	39.00	41.00	40.00	39.56	37.75	39.00	40.00	39.25	39.00
Mean	39.31	39.69	44.88	42.81	41.67	38.94	39.50	43.88	42.44	41.19
LSD 0.05 A (var.)	=	0.391						0.206		
LSD 0.05 B (N.)	=	0.329						0.261		
LSD 0.05 AB (Var. x N)	=	0.658						0.523		

Table (7):Average weight of 100-kernels and shelling percentage of corn as affected by splitting nitrogen and hybrid types.

Treatment hybrids / Splitting N	Season 2008					Season 2009				
	N_1	N_2	N_3	N_4	Mean	N_1	N_2	N_3	N_4	Mean
	Weight of 100-kernels									
Var. 1	38.23	38.69	41.81	40.93	39.91	38.54	39.13	41.70	40.92	40.07
Var. 2	38.16	38.43	41.54	40.09	39.55	38.29	38.96	41.29	40.11	39.66
Var. 3	37.22	37.73	39.66	38.04	38.16	37.25	37.82	39.50	38.19	38.19
Var. 4	37.01	37.43	39.31	37.84	37.90	37.10	37.61	39.19	38.08	37.99
Mean	37.66	38.07	40.58	39.23	38.88	37.80	38.38	40.42	39.33	38.98
LSD 0.05 A (var.)	=	0.075						0.078		
LSD 0.05 B (N.)	=	0.070						0.058		
LSD 0.05 AB (Var. x N)	=	0.141						0.117		
	Shelling percentage of corn									
Var. 1	87.54	88.12	91.80	90.33	89.45	87.94	88.61	92.29	91.16	90.00
Var. 2	87.25	87.68	91.22	89.58	88.93	87.76	88.32	91.71	90.43	89.56
Var. 3	85.20	85.94	89.28	87.02	86.86	85.94	86.98	89.20	87.54	87.41
Var. 4	83.22	85.80	89.04	86.55	86.15	84.14	86.58	88.98	87.22	86.73
Mean	85.80	86.89	90.34	88.37	87.85	86.45	87.62	90.55	89.09	88.43
LSD 0.05 A (var.)	=	0.467						0.232		
LSD 0.05 B (N.)	=	0.447						0.257		
LSD 0.05 AB (Var. x N)	=	0.895						0.514		

Table (8):Corn grain yield, in ardab/fed. and protein % in corn grains as affected by nitrogen splitting and hybrid types.

Treatment hybrids / Splitting N	Season 2008					Season 2009				
	N_1	N_2	N_3	N_4	Mean	N_1	N_2	N_3	N_4	Mean
	Corn grain yield (ardab/fed.)									
Var. 1	18.47	19.53	25.81	22.56	21.59	19.28	19.43	25.29	24.61	22.15
Var. 2	17.90	19.14	24.18	21.17	20.60	19.15	19.31	24.74	23.69	21.72
Var. 3	16.34	16.78	20.63	17.50	17.81	17.39	18.77	20.47	19.01	18.91
Var. 4	16.06	16.47	19.89	17.10	17.38	16.50	18.25	19.56	18.93	18.31
Mean	17.19	17.98	22.63	19.58	19.35	18.08	18.94	22.52	21.56	20.27
LSD 0.05 A (var.)	=	0.239					0.273			
LSD 0.05 B (N.)	=	0.151					0.221			
LSD 0.05 AB (Var. x N)	=	0.301					0.443			
	Protein % in corn grains									
Var. 1	8.658	8.878	10.425	9.773	9.433	8.200	8.365	9.850	9.425	8.960
Var. 2	8.560	8.818	10.063	9.445	9.221	8.180	8.235	9.675	9.118	8.802
Var. 3	8.085	8.213	9.143	8.495	8.484	7.805	7.920	8.795	8.065	8.146
Var. 4	6.770	8.185	8.948	8.335	8.059	7.670	7.845	8.460	7.970	7.986
Mean	8.018	8.524	9.645	9.012	8.799	7.964	8.091	9.195	8.645	8.474
LSD 0.05 A (var.)	=	0.439					0.033			
LSD 0.05 B (N.)	=	0.408					0.045			
LSD 0.05 AB (Var. x N)	=	0.816					0.090			