Table 28. National Sunflower Performance Trial

Variety	Avg. yield kg/ha	Test Weight	200 K Wt. gm.
Hyb 894	744.1	28.0	7.6
Hyb 903	694.5	29.0	12.0
CX 7101	799.2	27.0	9.6
IS 907E	649.5	29.0	11.2
IS 7116	761.1	28.0	9.0
IS 77755	733.6	28.0	8.6
J 503	857.9	28.5	8.4
Imp 897	683.9	27.5	7.6
Imp 672	737.7	28.0	9.4
Imp 673	613.4	29.0	10.0
Imp 675	699.6	28.0	10.8
SG 380A	510.6	30.0	10.2
SG 372A	850.3	26.0	7.6
SG 378	779.1	29.5	9.8
Golden Glow	773.4	28.5	10.0
SGO 472	622.9	28.0	10.0
SGO 448	971.8	28.0	9.4
SGO 449	653.8	28.5	10.6
P 620	651.5	28.0	9.4
DO 844	760.2	29.0	12.0
DO 704 XL	723.5	28.5	12.6
DO 164	730.8	28.5	12.2
DO 705	603.7	29.0	10.4
NK 254	632.8	29.5	8.2
NK 265	646.1	29.0	9.2
NK 212	802.0	30.5	11.8
Hy 54K	740.9	28.5	8.2
Hy 57K	734.4	28.5	10.0
Hy 64P	681.8	29.5	7.8
Hy 42L	823.7	29.0	9.0
SKA 4000	472.6	28.5	7.0
SKA 5000	585.9	29.0	8.4
SKA 6000	548.3	29.0	9.6
RBA 300G	947.9	29.0	10.4
RBA 303	636.2	28.5	8.4
RBA 3101	714.5	30.0	8.4
ST 315	599.4	26.5	8.8
ST 327	683.7	28.5	8.6
ST 349	754.9	27.5	9.2
GH 10	627.6	28.5	8.4
Cargill 205	557.1	31.5	9.8
Cargill 206	718.5	29.0	9.8

SUNFLOWER VARIETY TRIAL 1981

Data in Table 29 is from a Sunflower Variety Trial conducted at the Ron Swindler farm located in Hettinger County near Mott, ND by Mr. Robert C. Wagner, formerly Area Extension Agronomist, Southwest District, and presently Superintendent, Langdon Branch Station. The trial was harvested and calculations made by Mr. Blake Vander Vorst, Area Extension Agronomist, Southwest District.

Table 29. Sunflower Variety Trial – 1981

Variety	Yield bu/a @ 10.0%	% Harvest Moisture	% Oil @ 10.0% Moisture	Lbs. Oil Per Acre
DO 164	1358	11.3	43.9	537
DO 704XL	1331	11.1	45.4	544
IS 7775	1270	12.9	43.7	500
JAC 401	1260	10.9	44.4	504
S 301A	1249	11.8	46.0	517
RBA 3101	1201	11.1	38.7	418
Plainsman	1200	11.9	45.1	487
S 315	1197	12.7	44.5	479
JAC 501	1196	12.3	44.6	480
IS 903	1164	12.3	47.6	499
DO 844	1157	11.3	44.7	465
DO 843	1145	12.2	45.4	468
JAC 550	1135	11.8	46.1	471
CAR 205	1134	11.5	46.1	471
SIG 472	1120	13.1	43.7	441
DO 705	1112	11.1	43.6	436
DO 704XL	1112	11.1	44.8	448
SF 101	1102	11.6	45.7	453
IMP 673	1094	13.4	46.7	460
RBA 303	1079	11.7	45.7	444
SIG 454	1061	12.7	43.6	416
DEKALB EXS37	950	12.4	47.4	405
IMP 675	933	12.6	46.2	388
IS 3100	924	11.3	44.6	371
Lsd @ 5%	142			

Seed - May 12, 1981 Harvested - October 1, 1981

Sprayed – Approximately May 10, 1981, with Prowl at 3 pt/A + Roundup at ½ pt/A .5% by volume nonionic surfactant + 10 gal/A of 28-0-0 liquid fertilizer (equal to 30 lb/A actual nitrogen) + Unite (a compatibility agent) + water

Planted with a John Deere Maxi-Merge with serrated coulters in from of each unit 30˝ rows. No-till planting into wheat stubble.

CV = 7.59% 3 Reps