

Table 41

Three Year Performance Summary of Commercial Minn-Dak Entries in 2003  
Minn-Dak Factory Area (All Location)\*

Description @	Sugar Content (%)			Root Yield (Tons / Acre)			Seedling Vigor Rating** (1=Ex,5=Poor)			Ploidy @	Field Emergence (%)	
	2003	3 Yr Mean	3 Yr % Mean	2003	3 Yr Mean	3 Yr % Mean	2003	3 Yr Mean	3 Yr % Mean		2003	3 Yr Mean
Beta 3800(Aph)	17.7	17.1	100	26.6	24.5	100	2.9	2.5	114	2N	87.3	82.0
Beta 3820(Aph)	18.3	17.6	103	25.0	23.5	96	2.9	2.9	128	3N	85.9	73.9
Beta 3861(BX0961 Aph Spec)	17.5	17.1	100	26.3	24.8	101	3.0	2.6	115	2N	88.6	81.1
Beta 4811R(Aph & Rzm)	16.9	16.3	95	26.5	24.5	100	3.1	2.6	114	2N	84.5	81.0
Beta 4818R(Aph & Rzm)	17.4	16.7	98	26.6	24.7	101	3.1	2.5	112	3N	72.9	69.0
Beta 6225	17.7	17.2	101	26.4	25.3	103	2.7	2.5	111	2N	87.5	82.3
Beta 6663(BX0963)	17.4	17.2	101	26.4	25.1	102	3.0	2.4	109	2N	91.0	91.0
Beta BX1101(Aph)	17.0			27.7			2.9			2N	91.0	
Beta BX1108(Rzm)	17.6			26.4			3.3			3N	57.7	
Beta BX1314(Rzm)	16.3			29.0			2.9			2N	84.8	
Beta BX1315(Aph)	17.1			28.2			2.8			2N	91.7	
Beta BX1316(Rzm)	17.6			26.2			2.8			3N	72.8	
Beta BX1317(Rzm)	17.2			28.6			2.5			2N	85.8	
Beta BX1318(Rzm)	17.0			27.7			2.3			2N	96.8	
Croplan Genetics CL101	17.3	16.9	99	26.7	25.1	102	2.7	2.3	103	3N	79.0	71.6
Croplan Genetics CL314 (114)	17.9	17.1	100	25.6	25.0	102	2.5	1.1	49	3N	83.1	
Crystal 820	17.8	17.3	101	26.3	24.9	102	2.4	2.1	95	3N	91.9	
Crystal 956(Aph)	18.1	17.5	102	25.5	24.0	98	2.7	2.3	104	3N	88.9	77.8
Crystal 999	17.7	17.4	102	25.7	24.5	100	2.8	2.2	99	3N	86.2	77.3
Crystal A300(Aph)	18.4			25.5			2.7			2N	87.5	
Crystal R338(Rzm)	17.2			25.6			2.7			3N	86.3	
Crystal R357(Rzm & Aph)	17.5			26.4			3.0			3N	73.1	
Crystal R826(Rzm)	18.1			23.9			2.5			3N	98.5	
Crystal R932(Rzm & Aph)	17.4			23.7			2.5			2N	91.2	
Hilleshog 2236(Aph)	17.2	16.8	99	23.0	22.9	94	3.1	2.5	110	2N	81.2	76.7
Hilleshog 2411Rz	18.0	17.2	101	25.2	23.9	98	2.6	2.2	100	2N	85.2	79.4
Hilleshog 2463Rz(7163 Aph)	17.7			25.3			2.5			2N	86.1	
Hilleshog 2467(7167 Rz)	17.9			25.7			2.3			2N	90.3	
Hilleshog 2469(7169 Rz Aph)	17.4			26.7			2.8			2N	86.9	
Hilleshog 2475(7175 Rz)	17.2			27.3			2.3			2N	96.9	
Hilleshog 2476(7176 Rz)	17.4			25.9			2.5			2N	88.4	
Hilleshog 7078	17.7	16.9	99	27.2	25.4	103	2.9	2.6	118	2N	90.1	80.0
Hilleshog 7089	17.0	16.7	98	23.6	23.2	95	3.0	2.6	115	2N	85.9	80.9
Hilleshog 7172Rz	17.3			23.2			2.8			2N	87.5	
Hilleshog 7192(Aph)	17.8			26.6			2.9			2N	88.4	
Hilleshog 7197Rz	17.2			28.0			2.6			2N	89.8	
Hilleshog 7198Rz	16.8			28.0			2.6			2N	68.9	
Hilleshog 7199Rz	16.6			29.0			2.1			2N	90.1	
Hilleshog 7200Rz	16.7			28.6			2.6			2N	78.2	
Hilleshog 7201Rz(Aph)	17.0			27.3			2.7			2N	91.7	
Hilleshog 7206Rz	17.5			27.1			3.2			2N	83.0	
Holly HH-114	17.0	16.5	97	27.6	26.2	107	2.9	2.7	122	3N	77.3	68.4
Holly HH-115	17.4	16.9	99	26.8	25.4	104	2.9	2.4	107	3N	85.7	73.8
Holly 117(00HX017)	17.7	17.1	100	27.0	25.0	102	3.0	2.2	100	3N	74.0	75.1
Holly HH-150	17.8	17.1	100	25.4	25.0	102	3.0	1.3	58	3N	85.2	
Seedex 0924(SX0924 Aph & Rzm)	17.7	17.0	100	23.7	23.7	97	3.0	2.6	116	2N	77.2	72.2
Seedex SX0928(Aph & Rzm)	17.9			22.8			2.7			2N	89.5	
Seedex SX0931(Aph & Rzm)	17.9			24.5			3.0			2N	86.7	
Seedex SX0932(Aph & Rhc)	17.1			24.6			3.8			2N	55.9	
Seedex Aspen (SX0917)	17.9	17.3	102	25.6	23.3	95	3.0	2.2	98	3N	84.9	
Seedex Aurora(SX823 925 Aph)	17.7	17.1	100	26.1	24.4	99	2.9	2.6	118	3N	82.3	73.2
Seedex Gladiator	17.5	17.0	99	25.9	24.7	101	2.6	2.3	105	3N	87.8	75.4
Seedex Magnum(SX0816 0922)	17.8	17.2	101	25.5	24.2	99	2.7	1.5	68	3N	89.7	
Seedex Monarch	17.1	16.8	99	26.2	24.3	99	2.7	2.2	99	3N	84.3	76.8
Van der Have H46177(Aph & Rzm)	17.8	17.3	101	23.9	23.1	94	3.1	2.6	115	2N	72.4	67.5
Van der Have H46519(Rzm)	16.9			27.9			2.6			2N	92.2	
Van der Have H66453	17.3	16.8	99	26.7	25.1	102	2.9	2.4	109	3N	80.5	74.8
Van der Have H66556	17.5	17.0	100	26.2	25.5	104	2.8	2.1	93	3N	85.9	79.4
Van der Have H66561	17.6	17.2	101	27.1	25.2	103	2.7	2.2	100	3N	85.6	76.1
Van der Have H66728	17.8			26.6			2.9			3N	83.3	
Mean	17.5	17.1	100	26.0	24.5	100	2.7	2.2	100		83.1	75.3

\* 2001 Fairmount, Norcross, 2002 Breckenridge &amp; Colfax, 2003 Foxhome, Fairmount.

\*\* Lower numbers indicate better seedling vigor (1=Ex,5=Poor).

@ Ploidy indicates number of chromosomes (2N = diploid, 3N=triploid). Diploids are generally somewhat smaller seedlings, while triploids are generally larger. Diploids can have higher emergent

@ Some varieties not approved for sale. Refer to approval list for approval status.

Created 11-3-03.