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DISEASE RESISTANCE TABLE
SOUTH PRODUCTION AREA

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PAGE	VARIETY	CERCOSPORA RESISTANCE	RHIZOCTONIA RESISTANCE	RHIZOMANIA RESISTANCE	CURLY TOP RESISTANCE	ROOT APHID RESISTANCE
2	BETA 1344 N	S	E-S	R		S
3	BETA 1775	M-R	S	S	E-S	R
4	BETA 2372	M-R	S	S	E-S	R
5	BETA 4546	M-R	R	S	M-S	M-R
6	BETA 4595R	R	R	R	S	R
7	BETA 7310R	R	M-S	R	M-R	R
8	BETA 7043R		E-S	R**		
9	BETA 7341R			R**		
10	CRYSTAL R243	M-R	M-R	R	M-R	R
11	CRYSTAL 9906	R	R	R	M-R	63 % Resistant*
12	CRYSTAL 9942	R	E-S	S	E-S	80 % Resistant*
13	CRYSTAL R482			R**		
14	HM 1637	M-S	M-S	S	S	R
15	HM 1639 Rz	M-R	S	R	E-S	R
16	HM 1642	M-R	E-S	S	M-R	S
17	HM 1643	R	E-S	S	M-S	
18	HM 1651Rz	M-R	E-S	R	S	68 % Resistant*
19	HM 1653Rz	M-R	E-S	R	S	R
20	HM 7172Rz			Pending		
21	HM 9155	R	S	S	R	R
22	HM 1656Rz			R**		
23	SX BIJOU		E-S	M-R		
24	SX RIZE		E-S	M-R		
25	SX ALLIANCE	M-R	E-S	S	E-S	R
26	SX CHARGER	R	S	S	S	M-R
27	SX EXCEL	R	E-S	S	E-S	R
28	SX MONOHIKARI	M-R	E-S	S	E-S	R
29	SX RANGER	R	S	S	M-S	R
30	SX 235			M-R**		

*Variety is Segregating for Root Aphid Resistance

**Variety Trials Comparison

R = RESISTANT

M-R = MODERATELY RESISTANT

M-S = MODERATELY SUSCEPTIBLE

S = SUSCEPTIBLE

E-S = EXTREMELY SUSCEPTIBLE (Spray Program Strongly Advised, If Available)

SUGAR BEET VARIETY REVIEW

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VARIETY NAME: BETA 1344 N
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: BETASEED

YEAR OF TEST	2005	2004	2003
TONS/ACRE	29.3	34.8	31.7
Test Average	25.8	29	29.4
Top Variety	31.5	34.8	32.2
Test Rank	5/26	1/32	3/21
SUGAR PERCENT	15.22	15.07	16.23
Test Average	15.34	16.37	17.14
Top Variety	15.99	17.18	18.13
Test Rank	17/26	32/32	21/21
SUGAR/ACRE	8874	10414	10246
Test Average	7963	9464	10053
Top Variety	9837	10813	10887
Test Rank	7/26	3/32	8/21

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	SUSCEPTIBLE
RHIZOCTONIA	EXTREMELY SUSCEPTIBLE
RHIZOMANIA	RESISTANT
CURLY TOP	
ROOT APHID	SUSCEPTIBLE

SUGAR BEET VARIETY REVIEW

VARIETY NAME:
VARIETY NOTE:
COMPANY:

BETA 1775
SOUTH AREA: FULL APPROVAL
BETASEED

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YEAR OF TEST	2005	2004	2003	2002	2001
TONS/ACRE	23.1	27.5	30.2	27.7	25.6
Test Average	25.8	29	28.7	27.5	26.3
Top Variety	31.5	34.8	32.0	30.2	29.1
Test Rank	19/26	23/32	6/30	10/19	12/21
SUGAR PERCENT	15.36	16.49	17.64	16.16	16.08
Test Average	15.34	16.37	17.40	15.69	15.60
Top Variety	15.99	17.18	18.31	16.60	16.83
Test Rank	14/26	15/32	10/30	4/19	6/21
SUGAR/ACRE	7175	9037	10642	8931	8231
Test Average	7963	9464	9958	8612	8183
Top Variety	9837	10813	11112	9502	8737
Test Rank	19/26	24/32	4/30	6/19	11/21

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	MODERATELY RESISTANT
RHIZOCTONIA	SUSCEPTIBLE
RHIZOMANIA	SUSCEPTIBLE
CURLY TOP	EXTREMELY SUSCEPTIBLE
ROOT APHID	RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME: BETA 2372
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: BETASEED

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YEAR OF TEST	2005	2004	2003	2002	2001
TONS/ACRE	26.9	30.0	32.0	28.9	26.8
Test Average	25.8	29	28.7	27.5	26.3
Top Variety	31.5	34.8	32.0	30.2	29.1
Test Rank	13/26	11/32	1/30	5/19	8/21
SUGAR PERCENT	15.28	16.48	17.38	16.30	15.80
Test Average	15.34	16.37	17.40	15.69	15.60
Top Variety	15.99	17.18	18.31	16.60	16.83
Test Rank	15/26	17/32	14/30	3/19	9/21
SUGAR/ACRE	8221	9887	11112	9401	8463
Test Average	7963	9464	9958	8612	8183
Top Variety	9837	10813	11112	9502	8737
Test Rank	13/26	10/32	1/30	2/19	8/21

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	MODERATELY RESISTANT
RHIZOCTONIA	SUSCEPTIBLE
RHIZOMANIA	SUSCEPTIBLE
CURLY TOP	EXTREMELY SUSCEPTIBLE
ROOT APHID	RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME: BETA 4546
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: BETASEED

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YEAR OF TEST	2005	2004	2003	2002	2001	2000	1999	1996
TONS/ACRE	21.2	27.1	29.0	26.9	27.6	31.2	24.3	30.3
Test Average	25.8	29.0	28.7	25.9	26.0	31.0	24.9	28.5
Top Variety	31.5	34.8	32.0	29.5	29.1	34.3	28.7	31.4
Test Rank	23/26	25/32	11/30	6/24	5/26	12/29	23/35	2/25
SUGAR PERCENT	15.25	16.4	17.50	15.61	15.69	15.00	14.42	15.52
Test Average	15.34	16.37	17.40	15.79	15.51	15.03	14.10	15.04
Top Variety	15.99	17.18	18.31	17.06	16.58	15.96	15.05	16.32
Test Rank	16/26	20/32	12/30	15/24	10/26	17/29	10/35	5/25
SUGAR/ACRE	6459	8928	10146	8336	8638	9368	7010	9371
Test Average	7963	9464	9958	8140	8052	9320	6974	8535
Top Variety	9837	10813	11112	8918	8778	10016	7729	9598
Test Rank	25/26	26/32	10/30	9/24	4/26	14/29	14/35	2/25

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	MODERATELY RESISTANT
RHIZOCTONIA	RESISTANT
RHIZOMANIA	SUSCEPTIBLE
CURLY TOP	MODERATELY SUSCEPTIBLE
ROOT APHID	MODERATELY RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME: BETA 4595R
 VARIETY NOTES: SOUTH AREA: FULL APPROVAL
 COMPANY: BETASEED

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YEAR OF TEST	2005	2004	2003	2002	2001	2000
TONS/ACRE	25.0	28.0	28.2	25.2	23.7	31.1
Test Average	25.8	29	28.7	25.9	26.3	32.8
Top Variety	31.5	34.8	32.0	29.5	29.1	36.9
Test Rank	15/26	22/32	16/30	15/24	17/21	16/21
SUGAR PERCENT	15.68	16.84	17.87	15.92	15.95	15.92
Test Average	15.34	16.37	17.4	15.79	15.60	15.01
Top Variety	15.99	17.18	18.31	17.06	16.83	16.57
Test Rank	9/26	7/32	8/30	9/24	7/21	3/21
SUGAR/ACRE	7836	9420	10064	7973	7573	9874
Test Average	7963	9464	9958	8140	8183	9754
Top Variety	9837	10813	11112	8918	8737	10448
Test Rank	14/26	17/32	14/30	17/24	17/21	8/21

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	RESISTANT
RHIZOCTONIA	RESISTANT
RHIZOMANIA	RESISTANT
CURLY TOP	SUSCEPTIBLE
ROOT APHID	RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME: BETA 7310R
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: BETASEED

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YEAR OF TEST	2005	2004	2003	2002	2001
TONS/ACRE	29.0	30.2	28.8	27.9	27.4
Test Average	25.8	29.0	28.7	27.5	26.3
Top Variety	31.5	34.8	32.0	30.2	29.1
Test Rank	6/26	8/32	13/30	8/19	6/21
SUGAR PERCENT	15.76	16.54	17.81	15.80	15.65
Test Average	15.34	16.37	17.40	15.69	15.60
Top Variety	15.99	17.18	18.31	16.60	16.83
Test Rank	6/26	12/32	9/30	6/19	11/21
SUGAR/ACRE	9132	9956	10227	8811	8597
Test Average	7963	9464	9958	8612	8183
Top Variety	9837	10813	11112	9502	8737
Test Rank	4/26	7/32	9/30	7/19	5/21

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	RESISTANT
RHIZOCTONIA	MODERATELY SUSCEPTIBLE
RHIZOMANIA	RESISTANT
CURLY TOP	MODERATELY RESISTANT
ROOT APHID	RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME: BETA 7043R
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: BETASEED

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YEAR OF TEST	2005	2004	2003
TONS/ACRE	30.9	32.2	31.7
Test Average	25.8	29.0	29.4
Top Variety	31.5	34.8	32.2
Test Rank	2/26	4/32	2/21
SUGAR PERCENT	15.99	16.84	17.20
Test Average	15.34	16.37	17.14
Top Variety	15.99	17.18	18.13
Test Rank	2/26	6/32	10/21
SUGAR/ACRE	9837	10813	10887
Test Average	7963	9464	10053
Top Variety	9837	10813	10887
Test Rank	1/26	1/32	1/21

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	
RHIZOCTONIA	EXTREMELY SUSCEPTIBLE
RHIZOMANIA	RESISTANT**
CURLY TOP	
ROOT APHID	

SUGAR BEET VARIETY REVIEW

VARIETY NAME: BETA 7341R
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: BETASEED

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YEAR OF TEST	2005	2004	2003
TONS/ACRE	31.5	32.4	31.0
Test Average	25.8	29.0	29.4
Top Variety	31.5	34.8	32.2
Test Rank	1/26	3/32	5/21
SUGAR PERCENT	15.65	16.37	17.01
Test Average	15.34	16.37	17.14
Top Variety	15.99	17.18	18.13
Test Rank	10/26	21/32	13/21
SUGAR/ACRE	9819	10577	10529
Test Average	7963	9464	10053
Top Variety	9837	10813	10887
Test Rank	2/26	2/32	4/21

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA
 RHIZOCTONIA
 RHIZOMANIA RESISTANT**
 CURLY TOP
 ROOT APHID

SUGAR BEET VARIETY REVIEW

VARIETY NAME: CRYSTAL R243
 VARIETY NOTE: SOUTH AREA : FULL APPROVAL
 COMPANY: ACH, INC.

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YEAR OF TEST	2005	2004	2003	2002
TONS/ACRE	30.6	30.2	28.3	27.5
Test Average	25.8	29	32.2	27.5
Top Variety	31.5	34.8	29.4	30.2
Test Rank	3/26	12/32	13/21	12/19
SUGAR PERCENT	15.65	16.92	17.35	15.80
Test Average	15.34	16.37	18.13	15.69
Top Variety	15.99	17.18	17.14	16.60
Test Rank	11/26	5/32	7/21	12/19
SUGAR/ACRE	9564	10205	9784	8672
Test Average	7963	9464	10887	8612
Top Variety	9837	10813	10053	9502
Test Rank	3/26	4/32	14/21	10/19

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	MODERATELY RESISTANT
RHIZOCTONIA	MODERATELY RESISTANT
RHIZOMANIA	RESISTANT
CURLY TOP	MODERATELY RESISTANT
ROOT APHID	RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME: CRYSTAL 9906
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: ACH, INC.

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YEAR OF TEST	2005	2004	2003	2002	2001	2000	1999
TONS/ACRE	27.4	29.6	29.6	27.2	26.7	32.3	26.6
Test Average	25.8	29	28.7	25.9	26.0	32.8	25.7
Top Variety	31.5	34.8	32.0	29.5	29.1	36.9	28.4
Test Rank	12/26	9/32	8/30	5/24	10/26	11/21	5/30
SUGAR PERCENT	15.17	15.43	16.79	14.80	14.69	14.93	13.77
Test Average	15.34	16.37	17.4	15.79	15.51	15.01	13.85
Top Variety	15.99	17.18	18.31	17.06	16.58	16.57	14.89
Test Rank	18/26	30/32	24/30	21/24	24/26	10/21	14/30
SUGAR/ACRE	8307	9091	9926	8070	7851	9541	7337
Test Average	7963	9464	9958	8140	8052	9754	7105
Top Variety	9837	10813	11112	8918	8778	10448	7657
Test Rank	12/26	22/32	16/30	14/24	17/26	15/21	9/30

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	RESISTANT
RHIZOCTONIA	RESISTANT
RHIZOMANIA	RESISTANT
CURLY TOP	MODERATELY RESISTANT
ROOT APHID	Segregating : 63% Resistant

SUGAR BEET VARIETY REVIEW

VARIETY NAME: CRYSTAL 9942
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: ACH, INC.

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YEAR OF TEST	2005	2004	2003	2002	2001	2000
TONS/ACRE	22.9	27.4	29.6	24.2	25.2	30.3
Test Average	25.8	29	28.7	25.9	26.3	32.8
Top Variety	31.5	34.8	32.0	29.5	29.1	36.9
Test Rank	20/26	24/32	8/30	17/24	13/21	18/21
SUGAR PERCENT	15.99	17.18	18.31	17.06	16.83	16.57
Test Average	15.34	16.37	17.40	15.79	15.60	15.01
Top Variety	15.99	17.18	18.31	17.06	16.83	16.57
Test Rank	1/26	1/32	1/30	1/24	1/21	1/21
SUGAR/ACRE	7393	9379	10837	8233	8547	10033
Test Average	7963	9464	9958	8140	8183	9754
Top Variety	9837	10813	11112	8918	8737	10448
Test Rank	16/26	18/32	2/30	10/24	7/21	4/21

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	RESISTANT
RHIZOCTONIA	EXTREMELY SUSCEPTIBLE
RHIZOMANIA	SUSCEPTIBLE
CURLY TOP	EXTREMELY SUSCEPTIBLE
ROOT APHID	Segregating: 80% Resistant

SUGAR BEET VARIETY REVIEW

VARIETY NAME: CRYSTAL R482
 VARIETY NOTE: SOUTH AREA: Test Market
 COMPANY: ACH, INC.

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YEAR OF TEST	2005	2004
TONS/ACRE	31.2	34.2
Test Average	26.9	30.3
Top Variety	31.2	34.8
Test Rank	1/21	3/23
SUGAR PERCENT	15.24	15.92
Test Average	15.59	16.21
Top Variety	16.47	16.89
Test Rank	15/21	15/23
SUGAR/ACRE	9473	10802
Test Average	8364	9778
Top Variety	9473	11120
Test Rank	1/21	3/23

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA
 RHIZOCTONIA
 RHIZOMANIA RESISTANT
 CURLY TOP
 ROOT APHID

SUGAR BEET VARIETY REVIEW

VARIETY NAME: HM 1637
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: SYNGENTA

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YEAR OF TEST	2005	2004	2003	2000	1999	1998	1997
TONS/ACRE	24.7	29.5	29.0	31.0	25.8	28.7	25.7
Test Average	25.8	29.0	28.7	31.0	24.9	27.7	24.1
Top Variety	31.5	34.8	32.0	34.3	28.7	29.1	26.5
Test Rank	16/26	14/32	11/30	15/29	6/35	4/26	3/24
SUGAR PERCENT	14.67	16.51	17.33	15.09	14.22	13.86	14.09
Test Average	15.34	16.37	17.40	15.03	14.10	13.91	14.08
Top Variety	15.99	17.18	18.31	15.96	15.05	14.73	14.94
Test Rank	23/26	14/32	15/30	14/29	14/35	15/26	12/24
SUGAR/ACRE	7336	9707	10043	9342	7344	7936	7219
Test Average	7963	9464	9958	9320	6974	7732	6741
Top Variety	9837	10813	11112	10016	7729	8256	7219
Test Rank	17/26	13/32	15/30	16/29	8/35	8/26	1/24

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	MODERATELY SUSCEPTIBLE
RHIZOCTONIA	MODERATELY SUSCEPTIBLE
RHIZOMANIA	SUSCEPTIBLE
CURLY TOP	SUSCEPTIBLE
ROOT APHID	RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME:
VARIETY NOTE:
COMPANY:

HM 1639Rz
SOUTH AREA: FULL APPROVAL
SYNGENTA

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YEAR OF TEST	2005	2004	2003	2002	2001	2000	1999
TONS/ACRE	29.8	32.8	31.4	29.5	28.4	34.3	28.7
Test Average	25.8	29	28.7	25.9	26.0	31.0	24.9
Top Variety	31.5	34.8	32.0	29.5	29.1	34.3	28.7
Test Rank	4/26	2/32	3/30	1/24	2/26	1/29	1/35
SUGAR PERCENT	14.49	15.38	16.18	14.89	14.85	14.66	13.46
Test Average	15.34	16.37	17.40	15.79	15.51	15.03	14.10
Top Variety	15.99	17.18	18.31	17.06	16.58	15.96	15.05
Test Rank	24/26	31/32	26/30	20/24	23/26	24/29	29/35
SUGAR/ACRE	8628	10057	10131	8747	8403	10007	7706
Test Average	7963	9464	9958	8140	8052	9320	6974
Top Variety	9837	10813	11112	8918	8778	10016	7729
Test Rank	10/26	5/32	11/30	2/24	6/26	2/29	2/35

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	MODERATELY RESISTANT
RHIZOCTONIA	SUSCEPTIBLE
RHIZOMANIA	RESISTANT
CURLY TOP	EXTREMELY SUSCEPTIBLE
ROOT APHID	RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME:
VARIETY NOTE:
COMPANY:

HM 1642
SOUTH AREA: FULL APPROVAL
SYNGENTA

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YEAR OF TEST	2005	2004	2003	2002	2001	2000	1999	1998
TONS/ACRE	23.5	29.3	28.2	25.3	27.0	31.5	26.1	29.4
Test Average	25.8	29	28.7	25.9	26.0	31.0	25.7	28.3
Top Variety	31.5	34.8	32.0	29.5	29.1	34.3	28.4	31.3
Test Rank	18/26	16/32	16/30	14/24	7/26	8/29	11/30	5/29
SUGAR PERCENT	15.48	16.83	17.50	15.67	15.51	15.03	14.29	14.41
Test Average	15.34	16.37	17.40	15.79	15.51	15.03	13.80	13.79
Top Variety	15.99	17.18	18.31	17.06	16.58	15.96	14.89	14.86
Test Rank	13/26	8/32	12/30	14/24	14/26	16/29	9/30	5/29
SUGAR/ACRE	7317	9805	9844	7944	8395	9441	7437	8480
Test Average	7963	9464	9958	8140	8052	9320	7104	7827
Top Variety	9837	10813	11112	8918	8778	10016	7657	8480
Test Rank	18/26	11/32	19/30	16/24	7/26	12/29	3/30	1/29

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	MODERATELY RESISTANT
RHIZOCTONIA	EXTREMELY SUSCEPTIBLE
RHIZOMANIA	SUSCEPTIBLE
CURLY TOP	MODERATELY RESISTANT
ROOT APHID	SUSCEPTIBLE

SUGAR BEET VARIETY REVIEW

VARIETY NAME: HM 1643
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: SYNGENTA

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YEAR OF TEST	2005	2004	2003	2002	2001	2000	1999	1998
TONS/ACRE	21.2	26.7	28.5	25.8	26.4	29.9	25.8	28.1
Test Average	25.8	29	28.8	25.9	26.0	31.0	25.7	28.3
Top Variety	31.5	34.8	32.0	29.5	29.1	34.3	28.4	31.3
Test Rank	22/26	26/32	14/30	11/24	11/26	23/29	9/30	13/29
SUGAR PERCENT	15.52	17.00	18.03	16.58	16.43	15.79	14.35	14.86
Test Average	15.34	16.37	17.40	15.79	15.51	15.03	13.85	13.79
Top Variety	15.99	17.18	18.31	17.06	16.58	15.96	14.89	14.86
Test Rank	12/26	2/32	4/30	2/24	2/26	2/29	8/30	1/29
SUGAR/ACRE	6720	9048	10261	8534	8686	9454	7368	8385
Test Average	7963	9464	9958	8140	8052	9320	7105	7827
Top Variety	9837	10813	11112	8918	8778	10016	7657	8480
Test Rank	21/26	23/32	6/30	7/24	3/26	11/29	7/30	2/29

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	RESISTANT
RHIZOCTONIA	EXTREMELY SUSCEPTIBLE
RHIZOMANIA	SUSCEPTIBLE
CURLY TOP	MODERATELY SUSCEPTIBLE
ROOT APHID	CONTACT SEED COMPANY

SUGAR BEET VARIETY REVIEW

VARIETY NAME: HM 1651RZ
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: SYNGENTA

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YEAR OF TEST	2005	2004	2003	2002	2001
TONS/ACRE	28.0	28.9	29.4	30.2	26.8
Test Average	25.8	29	28.7	27.5	26.3
Top Variety	31.5	34.8	32.0	30.2	29.1
Test Rank	11/26	18/32	9/30	1/19	8/21
SUGAR PERCENT	15.78	16.4	17.18	15.69	16.15
Test Average	15.34	16.37	17.40	15.69	15.60
Top Variety	15.99	17.18	18.31	16.6	16.83
Test Rank	5/26	19/32	18/30	9/19	5/21
SUGAR/ACRE	8801	9459	10091	9502	8643
Test Average	7963	9464	9958	8612	8183
Top Variety	9837	10813	11112	9502	8737
Test Rank	9/26	16/32	12/30	1/19	4/21

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	MODERATELY RESISTANT
RHIZOCTONIA	EXTREMELY SUSCEPTIBLE
RHIZOMANIA	RESISTANT
CURLY TOP	SUSCEPTIBLE
ROOT APHID	Segregating: 68% Resistant

SUGAR BEET VARIETY REVIEW

VARIETY NAME: HM 1653RZ
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: SYNGENTA

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YEAR OF TEST	2005	2004	2003	2002	2001
TONS/ACRE	28.5	31.3	30.4	29.2	25.5
Test Average	25.8	29	28.7	27.5	22.6
Top Variety	31.5	34.8	32.0	30.2	28.6
Test Rank	7/26	6/32	5/30	4/19	4/36
SUGAR PERCENT	15.02	15.84	16.85	15.43	15.74
Test Average	15.34	16.37	17.40	15.69	15.06
Top Variety	15.99	17.18	18.31	16.6	16.39
Test Rank	22/26	27/32	23/30	13/19	1/36
SUGAR/ACRE	8563	9915	10239	8933	8024
Test Average	7963	9464	9958	8612	6818
Top Variety	9837	10813	11112	9502	8381
Test Rank	11/26	8/32	8/30	5/19	2/36

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	MODERATELY RESISTANT
RHIZOCTONIA	EXTREMELY SUSCEPTIBLE
RHIZOMANIA	RESISTANT
CURLY TOP	SUSCEPTIBLE
ROOT APHID	RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME: HM 7172RZ
 VARIETY NOTE: SOUTH AREA APPROVED
 COMPANY: SYNGENTA

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YEAR OF TEST	2005	2004	2003
TONS/ACRE	28.1	29.3	29.2
Test Average	25.8	29	29.4
Top Variety	31.5	34.8	32.2
Test Rank	10/26	15/32	12/21
SUGAR PERCENT	15.74	16.69	17.75
Test Average	15.34	16.37	17.14
Top Variety	15.99	17.18	18.13
Test Rank	7/26	10/32	3/21
SUGAR/ACRE	8815	9762	10332
Test Average	7963	9464	10553
Top Variety	9837	10813	10887
Test Rank	8/26	12/32	7/21

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA
 RHIZOCTONIA
 RHIZOMANIA
 CURLY TOP
 ROOT APHID

SUGAR BEET VARIETY REVIEW

VARIETY NAME: HM 9155
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: SYNGENTA

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YEAR OF TEST	2005	2004	2003	2002	2001	2000	1999
TONS/ACRE	25.7	31.6	29.7	28.2	29.1	33.2	27.3
Test Average	25.8	29	28.7	25.9	26.0	31.0	24.9
Top Variety	31.5	34.8	32.0	29.5	29.1	34.3	28.7
Test Rank	14/26	5/32	7/30	2/24	1/26	3/29	2/35
SUGAR PERCENT	14.42	16.00	16.99	15.43	15.07	14.64	14.11
Test Average	15.34	16.37	17.40	15.79	15.51	15.03	14.10
Top Variety	15.99	17.18	18.31	17.06	16.58	15.96	15.05
Test Rank	25/26	25/32	21/30	18/24	20/26	25/29	17/35
SUGAR/ACRE	7517	10035	10084	8663	8778	9710	7729
Test Average	7963	9464	9958	8140	8052	9320	6974
Top Variety	9837	10813	11112	8918	8778	10016	7729
Test Rank	15/26	6/32	13/30	3/24	1/26	4/29	1/35

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	RESISTANT
RHIZOCTONIA	SUSCEPTIBLE
RHIZOMANIA	SUSCEPTIBLE
CURLY TOP	RESISTANT
ROOT APHID	RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME: HM 1656RZ
 VARIETY NOTE: SOUTH AREA: Test Market
 COMPANY: SYNGENTA

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YEAR OF TEST	2005	2004
TONS/ACRE	28.3	32.0
Test Average	26.9	30.3
Top Variety	31.2	34.8
Test Rank	3/21	7/23
SUGAR PERCENT	15.34	16.61
Test Average	15.59	16.21
Top Variety	16.47	16.89
Test Rank	12/21	6/23
SUGAR/ACRE	8706	10583
Test Average	8364	9778
Top Variety	9473	11120
Test Rank	6/21	4/23

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA
 RHIZOCTONIA
 RHIZOMANIA RESISTANT**
 CURLY TOP
 ROOT APHID

SUGAR BEET VARIETY REVIEW

VARIETY NAME: SX BIJOU
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: SEEDEX

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YEAR OF TEST	2005	2004	2003
TONS/ACRE	28.2	28.2	30.8
Test Average	25.8	29.0	29.4
Top Variety	31.5	34.8	32.2
Test Rank	8/26	21/32	6/21
SUGAR PERCENT	15.78	15.89	16.94
Test Average	15.34	16.37	17.14
Top Variety	15.99	17.18	18.13
Test Rank	4/26	26/32	16/21
SUGAR/ACRE	8878	8954	10406
Test Average	7963	9464	10053
Top Variety	9837	10813	10887
Test Rank	6/26	25/32	5/21

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	
RHIZOCTONIA	EXTREMELY SUSCEPTIBLE
RHIZOMANIA	MODERATELY RESISTANT
CURLY TOP	
ROOT APHID	

SUGAR BEET VARIETY REVIEW

VARIETY NAME: SX RIZE
 VARIETY NOTE: SOUTH AREA: FULL APPROVAL
 COMPANY: SEEDEX

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YEAR OF TEST	2005	2004	2003
TONS/ACRE	28.1	26.2	28.2
Test Average	25.8	29.0	29.4
Top Variety	31.5	34.8	32.2
Test Rank	9/26	28/32	15/21
SUGAR PERCENT	15.84	16.38	17.05
Test Average	15.34	16.31	17.14
Top Variety	15.99	17.18	18.13
Test Rank	3/26	21/32	12/21
SUGAR/ACRE	8897	8669	9596
Test Average	7963	9464	10053
Top Variety	9837	10813	10087
Test Rank	5/26	29/32	18/21

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	
RHIZOCTONIA	EXTREMELY SUSCEPTIBLE
RHIZOMANIA	MODERATELY RESISTANT
CURLY TOP	
ROOT APHID	

SUGAR BEET VARIETY REVIEW

VARIETY NAME:
VARIETY NOTE:
COMPANY:

SX ALLIANCE
A AREA APPROVED
SEED EX

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YEAR OF TEST	2005	2004	2003	2002	2001	2000	1999
TONS/ACRE	20.7	25.5	28.9	26.4	25.2	30.9	24.7
Test Average	25.8	29	28.7	25.9	26.0	31.0	24.9
Top Variety	31.5	34.8	32.0	29.5	29.1	34.3	28.7
Test Rank	26/26	31/32	12/30	9/24	15/26	18/29	20/35
SUGAR PERCENT	15.05	16.42	17.49	16.22	15.58	15.05	14.64
Test Average	15.34	16.37	17.40	15.79	15.51	15.03	14.10
Top Variety	15.99	17.18	18.31	17.06	16.58	15.96	15.05
Test Rank	21/26	18/32	13/30	4/24	13/26	15/29	6/35
SUGAR/ACRE	6338	8404	10084	8549	7845	9310	7228
Test Average	7963	9464	9958	8140	8052	9320	6974
Top Variety	9837	10813	11112	8918	8778	10016	7729
Test Rank	26/26	31/32	13/30	5/24	18/26	19/29	12/35

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	MODERATELY RESISTANT
RHIZOCTONIA	EXTREMELY SUSCEPTIBLE
RHIZOMANIA	SUSCEPTIBLE
CURLY TOP	EXTREMELY SUSCEPTIBLE
ROOT APHID	RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME:
VARIETY NOTE:
COMPANY:

SX CHARGER
SOUTH AREA: FULL APPROVAL
SEDEX

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YEAR OF TEST	2005	2004	2003	2002	2001	2000	1999
TONS/ACRE	21.1	25.6	26.9	23.8	24.1	28.4	23.9
Test Average	25.8	29	28.7	25.9	26.0	31.0	24.9
Top Variety	31.5	34.8	32.0	29.5	29.1	34.3	28.7
Test Rank	24/26	30/32	23/30	20/24	20/26	29/29	31/35
SUGAR PERCENT	15.70	16.94	18.13	16.07	16.10	15.51	14.44
Test Average	15.34	16.37	17.40	15.79	15.51	15.03	14.10
Top Variety	15.99	17.18	18.31	17.06	16.58	15.96	15.05
Test Rank	8/26	4/32	3/30	6/24	5/26	5/29	8/35
SUGAR/ACRE	6690	8641	9769	7639	7753	8810	6878
Test Average	7963	9464	9958	8140	8052	9320	6974
Top Variety	9837	10813	11112	8918	8778	10016	7729
Test Rank	22/26	30/32	22/30	20/24	20/26	26/29	19/35

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	RESISTANT
RHIZOCTONIA	SUSCEPTIBLE
RHIZOMANIA	SUSCEPTIBLE
CURLY TOP	SUSCEPTIBLE
ROOT APHID	MODERATELY RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME:
VARIETY NOTE:
COMPANY:

SX EXCEL
SOUTH AREA: FULL APPROVAL
SEED EX

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YEAR OF TEST	2005	2004	2003	2002	2001	2000	1999
TONS/ACRE	21.4	26.7	28.1	26.6	23.5	31.1	25.3
Test Average	25.8	29	28.7	25.9	26.0	31.0	24.9
Top Variety	31.5	34.8	32.0	29.5	29.1	34.3	28.7
Test Rank	21/26	27/32	17/30	8/24	23/26	13/29	12/35
SUGAR PERCENT	15.14	16.57	17.62	16.12	15.35	15.12	14.43
Test Average	15.34	16.37	17.40	15.79	15.51	15.03	14.10
Top Variety	15.99	17.18	18.31	17.06	16.58	15.96	15.05
Test Rank	19/26	11/32	11/30	5/24	15/26	13/29	9/35
SUGAR/ACRE	6613	8837	9909	8548	7226	9409	7300
Test Average	7963	9464	9958	8140	8052	9320	6974
Top Variety	9837	10813	11112	8918	8778	10016	7729
Test Rank	23/26	28/32	18/30	6/24	26/26	13/29	9/35

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	RESISTANT
RHIZOCTONIA	EXTREMELY SUSCEPTIBLE
RHIZOMANIA	SUSCEPTIBLE
CURLY TOP	EXTREMELY SUSCEPTIBLE
ROOT APHID	RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME:

SX MONOHIKARI

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VARIETY NOTE:

SOUTH AREA: FULL APPROVAL

COMPANY:

SEDEX

YEAR OF TEST	2005	2004	2003	2002	2001	2000	1999
TONS/ACRE	21.1	25.1	27.2	25.2	23.7	30.6	24.4
Test Average	25.8	29	28.7	25.9	26.0	31.0	24.9
Top Variety	31.5	34.8	32.0	29.5	29.1	34.3	28.7
Test Rank	25/26	32/32	22/30	15/24	22/26	19/29	23/35
SUGAR PERCENT	15.12	16.49	17.38	16.00	15.67	15.16	14.14
Test Average	15.34	16.37	17.40	15.79	15.51	15.03	14.10
Top Variety	15.99	17.18	18.31	17.06	16.58	15.96	15.05
Test Rank	20/26	16/32	14/30	7/24	11/26	11/29	15/35
SUGAR/ACRE	6467	8275	9447	8017	7415	9284	6884
Test Average	7963	9464	9958	8140	8052	9320	6974
Top Variety	9837	10813	11112	8918	8778	10016	7729
Test Rank	24/26	32/32	25/30	15/24	24/26	21/29	18/35

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA

MODERATELY RESISTANT

RHIZOCTONIA

EXTREMELY SUSCEPTIBLE

RHIZOMANIA

SUSCEPTIBLE

CURLY TOP

EXTREMELY SUSCEPTIBLE

ROOT APHID

RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME:
VARIETY NOTE:
COMPANY:

SX RANGER
SOUTH AREA: FULL APPROVAL
SEED EX

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YEAR OF TEST	2005	2004	2003	2002	2001	2000	1999	1998
TONS/ACRE	23.7	29.1	29.2	26.2	28.2	31.7	25.7	29.3
Test Average	25.8	29	28.7	25.9	26.0	31.0	24.9	28.3
Top Variety	31.5	34.8	32.0	29.5	29.1	34.3	28.7	31.3
Test Rank	17/26	17/32	10/30	10/24	3/26	6/29	7/35	6/29
SUGAR PERCENT	14.06	15.69	16.85	15.51	14.97	14.68	14.09	13.78
Test Average	15.34	16.37	17.40	15.79	15.51	15.03	14.10	13.79
Top Variety	15.99	17.18	18.31	17.06	16.58	15.96	15.05	14.86
Test Rank	26/26	29/32	23/30	16/24	22/26	22/29	18/35	14/29
SUGAR/ACRE	6845	9095	9828	8072	8434	9296	7233	8069
Test Average	7963	9464	9958	8140	8052	9320	6974	7827
Top Variety	9837	10813	11112	8918	8778	10016	7729	8480
Test Rank	20/26	21/32	20/30	13/24	5/26	20/29	11/35	6/29

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	RESISTANT
RHIZOCTONIA	SUSCEPTIBLE
RHIZOMANIA	SUSCEPTIBLE
CURLY TOP	MODERATELY SUSCEPTIBLE
ROOT APHID	RESISTANT

SUGAR BEET VARIETY REVIEW

VARIETY NAME: SX 0235
 VARIETY NOTE: SOUTH AREA: Test Market
 COMPANY: SEEDEX

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YEAR OF TEST	2005	2004
TONS/ACRE	27.9	29.8
Test Average	26.9	30.3
Top Variety	31.2	34.8
Test Rank	5/21	13/23
SUGAR PERCENT	15.34	16.57
Test Average	15.59	16.21
Top Variety	16.47	16.89
Test Rank	13/21	8/23
SUGAR/ACRE	8550	9856
Test Average	8364	9778
Top Variety	9473	11120
Test Rank	8/21	10/23

FOR COMPLETE DISEASE AND PEST RATINGS SEE TABLE ON PAGE ONE

CERCOSPORA	
RHIZOCTONIA	
RHIZOMANIA	MODERATELY RESISTANT**
CURLY TOP	
ROOT APHID	

2005: Fusarium Test Accomplished in Hardin Montana

(Contact your Agriculturist if you have any questions about this information.)

	Percent of Variety Dead or Dying
Crystal 9906	19
Beta 4595R	35
Beta 4546	37
HM 1642	41
Crystal R243	45
HM 9155	49
HM 1653Rz	57
HM 7172Rz	57
Beta 7310R	58
Beta 7341R	61
Beta 7043R	66
Beta 1344N	76
SX Rize	78
HM 1651Rz	80
SX Bijou	86
HM 1639Rz	93