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THE YIELD STOPPED HERE IN 1997!

It's Now completed, 1993 seeding trials (4 year study), 1997 Forage Trials Report Penn State University

Table 2 1993 alfalfa variety trial—Rock Springs

Variety	1997 Yield	1996 Yield	1995 Yield	1994 Yield	1994-97 Average	Stand 10/21/97
PERSIST	6.34	7.07 (1)	5.34 (2)	5.94 (4)	6.17 (1)	63.7
CRYSTAL	6.30	6.85 (4)	5.31 (3)	5.99 (2)	6.11 (2)	64.0
SIERRA	6.12	6.93 (2)	5.49 (1)	5.89 (6)	6.11 (3)	70.0
WINTERGREEN	6.12	6.58 (9)	4.85 (13)	5.47 (23)	5.76 (6)	68.7
GARST 645	5.85	6.19 (29)	4.72 (21)	5.68 (13)	5.61 (12)	64.1
DK133	5.83	6.57 (11)	5.08 (7)	5.82 (7)	5.83 (5)	62.6
PRISM 2	5.70	6.65 (6)	4.80 (15)	5.69 (11)	5.71 (7)	63.6
5454	5.64	6.81 (5)	4.81 (14)	5.56 (16)	5.71 (8)	65.5
REWARD	5.63	6.51 (15)	5.22 (5)	6.19 (1)	5.89 (4)	64.2
RUSHMORE	5.59	6.63 (8)	4.94 (12)	5.25 (31)	5.80 (13)	62.5
DEI 973	5.58	6.45 (20)	4.76 (19)	5.31 (28)	5.53 (22)	67.2
SYNERGY	5.56	6.05 (31)	4.78 (17)	5.52 (18)	5.48 (23)	64.9
MARINER	5.47	6.55 (12)	4.58 (30)	5.70 (10)	5.58 (17)	63.2
STETSON II*	5.41	6.54 (14)	4.77 (18)	5.51 (19)	5.56 (19)	67.4
DAWIN	5.37	6.63 (7)	4.64 (25)	5.90 (5)	5.64 (9)	63.5
STAMPEDE	5.34	6.57 (10)	4.62 (27)	5.69 (12)	5.56 (20)	66.1
MAX 329	5.30	6.54 (13)	5.11 (6)	5.50 (20)	5.61 (11)	60.0
SPLENDOR	5.29	6.50 (16)	4.96 (11)	5.59 (15)	5.59 (16)	60.9
GH 777	5.26	6.49 (17)	4.80 (16)	5.71 (9)	5.57 (18)	58.8
DK122	5.23	6.36 (23)	4.96 (10)	5.94 (3)	5.62 (10)	61.5
ALFASTAR	5.16	6.91 (3)	4.97 (8)	5.33 (27)	5.59 (15)	65.1
SPARTAN	5.13	6.37 (22)	5.03 (6)	5.65 (14)	5.55 (21)	54.6
DART	5.13	5.96 (33)	4.61 (28)	5.49 (21)	5.38 (27)	57.4
AWARD	5.04	6.47 (19)	4.64 (26)	5.11 (34)	5.32 (25)	66.1
PICKSEED 8920MF	5.04	6.23 (27)	4.45 (32)	5.38 (26)	5.28 (29)	64.1
MULTITUDEEN	4.99	6.39 (21)	5.24 (4)	5.78 (8)	5.60 (14)	62.5
AGGRESSOR	4.92	6.28 (25)	4.65 (24)	5.09 (25)	5.31 (26)	61.4
MAJESTIC	4.92	5.75 (35)	4.41 (33)	5.09 (35)	5.04 (35)	62.4
ONEIDA VR	4.87	5.79 (34)	4.46 (31)	5.15 (33)	5.07 (34)	61.0
CIRA 2888	4.82	6.18 (18)	4.65 (23)	5.53 (17)	5.37 (24)	63.8
WL 323	4.81	6.13 (30)	4.69 (22)	5.46 (24)	5.27 (30)	63.4
DOMINATOR	4.80	6.20 (28)	4.17 (35)	5.23 (32)	5.10 (32)	67.4
GUARDSMAN	4.79	6.30 (24)	4.75 (20)	5.30 (30)	5.29 (28)	61.6
PROOF	4.61	6.24 (26)	4.60 (29)	5.31 (29)	5.21 (31)	63.1
CENTURION	4.61	6.00 (32)	4.21 (34)	5.48 (22)	5.08 (33)	60.8
GRAND MEAN	5.22	6.32	4.76	5.53	5.46	62.0
LSD (p=05)	0.68	0.49	0.63	0.55	0.43	6.7
CV (%)	9.08	5.37	6.92	6.76	5.40	7.2

CV = Coefficient of variation
LSD = Least significant difference
* Seeded May 6 1993
* Yields indicated represent the sum of four cuttings each year in 1994-1995 1996 and 1997
* Stand score based on a scale from 1 to 100. A 100 is considered to be a perfect stand
* Grand Mean CV and LSD values represent 64 total entries
* Varieties are listed by rank for 1997 yield. Numbers in parentheses indicate rank within the listed data (see column headings)

Persist - 1420 lb/ac better than the test average.
31 varieties, 16 cuttings

Table 6 1993 alfalfa variety trial—Landisville

Variety	1997 Yield	1996 Yield	1995 Yield	1994 Yield	1994-97 Average	Stand 10/21/97
SPRINT	7.59	7.54 (1)	9.75 (1)	9.72 (1)	8.65 (1)	56.6
PERSIST	7.31	7.28 (2)	8.53 (4)	8.53 (4)	8.15 (3)	62.3
CRYSTAL	7.31	6.95 (4)	8.82 (2)	9.15 (2)	8.06 (2)	62.3
REWARD	7.10	6.56 (10)	8.28 (7)	8.98 (6)	7.73 (6)	64.6
STETSON II*	7.07	6.66 (8)	8.41 (5)	9.06 (3)	7.80 (4)	63.9
SIERRA	7.04	7.00 (3)	8.20 (9)	8.71 (14)	7.74 (5)	67.9
GARST 645	6.96	6.51 (11)	8.22 (8)	8.49 (12)	7.55 (10)	61.5
DK133	6.78	5.73 (24)	7.80 (17)	8.92 (8)	7.31 (13)	53.9
STAMPEDE	6.74	6.77 (7)	8.17 (13)	8.87 (9)	7.64 (9)	64.2
MARINER	6.62	6.26 (14)	7.67 (19)	8.69 (15)	7.31 (14)	55.9
AGGRESSOR	6.53	6.82 (6)	8.65 (3)	8.86 (10)	7.72 (7)	58.6
5454	6.50	6.86 (5)	8.18 (12)	9.03 (4)	7.64 (8)	58.5
PICKSEED 8920MF	6.42	6.40 (12)	8.18 (11)	8.76 (11)	7.44 (11)	62.4
DOMINATOR	6.36	6.56 (9)	8.06 (14)	8.65 (17)	7.41 (12)	61.5
PARAMOUNT	6.34	6.23 (15)	7.57 (22)	8.65 (16)	7.20 (18)	61.0
WL 252 HD	6.18	5.95 (20)	7.61 (21)	8.38 (24)	7.03 (21)	53.2
DART	6.17	6.21 (16)	7.72 (18)	8.51 (20)	7.15 (20)	62.3
TMF GENERATION	6.15	6.35 (13)	8.00 (15)	8.73 (12)	7.31 (15)	61.0
PREMIER PLUS	6.09	6.10 (19)	8.31 (6)	8.21 (28)	7.18 (19)	61.0
DAWIN	6.07	6.20 (17)	7.96 (16)	8.63 (19)	7.22 (16)	57.4
DK122	6.04	6.11 (18)	7.66 (20)	8.31 (25)	7.03 (22)	59.3
ONEIDA VR	5.90	5.46 (28)	6.85 (27)	8.64 (18)	6.72 (27)	57.2
GH 777	5.88	5.65 (26)	7.45 (23)	8.48 (22)	6.87 (24)	60.2
CENTURION	5.80	5.92 (21)	7.35 (26)	8.73 (13)	6.95 (23)	44.7
WL 323	5.79	5.89 (22)	8.20 (10)	8.93 (7)	7.20 (17)	56.7
SPARTAN	5.74	5.74 (23)	7.42 (25)	8.27 (27)	6.79 (26)	57.5
GUARDSMAN	5.55	5.69 (25)	7.45 (24)	8.47 (23)	6.79 (25)	62.9
MAJESTIC	5.43	5.57 (27)	6.61 (28)	8.29 (26)	6.48 (28)	61.1
GRAND MEAN	6.34	6.25	7.95	8.68	7.31	59.3
LSD (p=05)	0.65	0.51	0.63	0.53	0.47	7.1
CV (%)	6.82	5.59	5.25	4.11	4.34	8.1

CV = Coefficient of variation
LSD = Least significant difference
* Seeded May 4 1993
* Yields (tons per acre at 12% moisture)
* Yields indicated represent the sum of four cuttings in 1996 and 1997 and five cuttings in 1994 and 1995
* Stand score based on a scale from 1 to 100. A 100 is considered to be a perfect stand
* Grand Mean CV and LSD values represent 49 total entries
* Varieties are listed by rank for 1997 yield. Numbers in parentheses indicate rank within the listed data (see column headings)

Persist - 1480 lb/ac better than the test average.
28 varieties, 18 cuttings

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#1

7.11 Tons/Acre average yield
both locations, 4 years!



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