

"2005" Prosser,WA. Western Regional Stress Trial

*multiple stresses include 50% water deficit, no fertilizer (~ 25# residual N),
compacted soil, and root rots

<u>ID Line:</u>	<u>Yield (lbs/A)</u>	<u>100-seed Weight (grams)</u>	<u>Emergence *(1-9)</u>	<u>Early Seedling Vigor *(1-9)</u>	<u>Curly Top Virus *(1-9)</u>
<u>Pinto:</u>					
PS00-001-6-B-2-B2	2383	38.8	2.0	2.3	1.0
PS01-086-1-B3	2322	35.8	1.0	1.3	1.0
USPT-ANT-1	2008	32.8	2.0	1.3	1.0
PS01-086-3-B3	1831	33.6	1.7	1.7	1.0
UIP6-80P-3G	1609	37.0	2.7	2.3	1.7
CO-16299	1563	34.7	2.7	3.7	4.0
CO-12625	1530	32.2	2.0	2.7	1.0
UIP7-24P-2P	1526	36.0	2.7	2.7	3.3
UIP6-80P-BP	1478	31.6	1.7	2.0	1.3
CO-12632	1417	33.7	2.0	2.3	1.0
Bill Z	1391	30.5	1.7	2.7	1.0
PS00-013-1-B-5-B2	1380	40.4	2.0	2.3	1.0
UIP6-72P-9G	1362	30.4	2.7	3.0	2.0
CO-12613	1264	34.9	2.7	2.7	1.0
CO-12531	1158	32.2	2.0	2.0	3.7
UIP13-77G-2P	990	31.3	3.0	4.3	1.0
UIP7-47P-BK	576	27.8	3.3	3.7	2.0
<u>Small Red:</u>					
PS00-046-8-B-8-B2	2429	33.1	1.7	2.7	1.0
Merlot	1840	33.5	2.0	2.7	1.0
PS00-037-6-B-5-B2	1049	30.6	1.7	2.0	2.3
<u>Great Northern:</u>					
Matterhorn	1590	38.7	1.3	1.3	3.0
PS99-138-3-B2-7-B2	1326	36.7	1.7	2.7	2.7
UIG4-53P-2G	759	37.2	2.7	3.7	4.0
<u>Black:</u>					
Condor	1034	20.3	1.7	3.0	1.0
CO-27862	916	20.9	2.0	3.3	1.7
CO-27864	392	19.1	1.3	3.0	1.7
Mean	1428	32.1	2.1	2.6	2.3
LSD 5%	850	3.4	1.0	1.6	1.2
C.V. %	32	6	33	40	54

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<u>ID Line:</u>	Yield (lbs/A)	100-seed Weight (grams)	Emergence *(1-9)	Early Seedling Vigor *(1-9)	Curly Top Virus *(1-9)
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***The (1-9) scores where by 1=best and 9=worst.**

R0501: Prosser,WA. "2005" Pinto Advanced Stress* Trial***multiple stresses include 50% water deficit, no fertilizer (~ 25# residual N), compacted soil, and root rots**

<u>ID Line:</u>	<u>Yield (lbs/A)</u>	<u>100-seed Weight (grams)</u>	<u>Emergence *(1-9)</u>	<u>Early Seedling Vigor *(1-9)</u>	<u>Curly Top Virus *(1-9)</u>
CO-12786	2579	31.8	1.7	1.3	1.0
PS00-001-6-B-2-B2	2383	38.8	2.0	2.3	1.0
PS00-013-1-B-6-B2	2352	39.6	2.0	2.0	1.0
PS01-086-1-B3	2322	35.8	1.0	1.3	1.0
PS00-001-6-B-9-B2	2291	40.7	2.0	2.7	1.0
PS00-001-6-B-1-B2	2276	39.6	2.0	1.7	1.0
ABL-13	2117	33.1	1.7	1.7	1.0
USPT-ANT-1-2A	2016	32.3	2.3	2.0	1.0
USPT-ANT-1	2008	32.8	2.0	1.3	1.0
PS01-098-4-B3	1901	29.9	1.7	3.0	1.0
USPT-ANT-1-5A	1844	33.6	1.7	2.0	1.0
PS01-086-3-B3	1831	33.6	1.7	1.7	1.0
Pinto-99236	1829	34.8	2.7	2.3	2.0
UIP6-80P-3G	1609	37.0	2.7	2.3	1.7
PS01-086-7-B3	1598	35.7	1.7	1.7	1.3
PS01-081-9-5-B2	1583	29.0	1.3	1.7	1.0
CO-16299	1563	34.7	2.7	3.7	4.0
ABL-8	1559	33.0	2.3	2.0	1.0
PS01-108-5-B3	1535	33.1	2.3	3.3	1.0
CO-12625	1530	32.2	2.0	2.7	1.0
UIP7-24P-2P	1526	36.0	2.7	2.7	3.3
UIP6-80P-BP	1478	31.6	1.7	2.0	1.3
Quincy(USPT-73)	1472	39.9	2.0	2.7	1.0
PS01-088-1-B3	1469	29.1	1.0	2.3	1.0
PS01-100-14-B-2-B	1437	36.5	1.3	2.3	1.0
CO-12632	1417	33.7	2.0	2.3	1.0
PS01-081-4-B3	1417	32.0	1.7	3.3	1.7
Bill Z	1391	30.5	1.7	2.7	1.0
PS00-013-1-B-5-B2	1380	40.4	2.0	2.3	1.0

R0501: Prosser,WA. "2005" Pinto Advanced Stress* Trial

*multiple stresses include 50% water deficit, no fertilizer (~ 25# residual N), compacted soil, and root rots

<u>ID Line:</u>	<u>Yield</u> <u>(lbs/A)</u>	<u>100-seed</u> <u>Weight</u> <u>(grams)</u>	<u>Emergence</u> <u>*(1-9)</u>	<u>Early</u> <u>Seedling</u> <u>Vigor</u> <u>*(1-9)</u>	<u>Curly</u> <u>Top</u> <u>Virus</u> <u>*(1-9)</u>
Othello	1367	33.0	2.0	2.3	1.0
UIP6-72P-9G	1362	30.4	2.7	3.0	2.0
USPT-CBB-1	1277	32.6	2.7	3.0	1.0
CO-12613	1264	34.9	2.7	2.7	1.0
Burke	1260	41.0	1.7	1.7	1.0
PS01-082-10-B-3-B	1258	32.5	1.0	2.3	1.0
PS01-088-4-B3	1203	31.3	1.7	2.7	1.0
Z9760-2-8-2	1177	26.7	1.7	2.0	1.0
CO-12531	1158	32.2	2.0	2.0	3.7
PS01-082-13-B-6-B	1127	29.2	1.3	2.7	1.0
PS01-100-14-B-5-B	1125	34.7	2.3	2.3	1.7
PS01-118-B-3-Bpto	1118	30.4	1.7	3.7	1.0
AN-37	1086	32.2	4.0	4.3	2.3
UIP13-77G-2P	990	31.3	3.0	4.3	1.0
PS01-100-14-B-3-B	911	30.3	2.3	3.0	1.0
UIP7-47P-BK	576	27.8	3.3	3.7	2.0
Mean	1550	33.6	2.0	2.5	1.3
LSD 5%	900	3.3	0.9	1.6	0.9
C.V. %	35	6	28	40	46

***The (1-9) scores where by 1=best and 9=worst.**

R0502: Prosser,WA. "2005" Pinto/Great Northern Preliminary Stress Trial

<u>ID Line:</u>	<u>Yield (lbs/A)</u>	<u>100-seed Weight (grams)</u>	<u>Emergence *(1-9)</u>	<u>Early Seedling Vigor *(1-9)</u>	<u>Curly Top Virus *(1-9)</u>
<u>Pinto:</u>					
USPT-CBB-6	2279	32.9	1.3	3.0	1.0
PS03-042-12-B	1786	32.9	2.3	2.7	1.0
Othello	1640	33.1	2.3	2.3	1.0
PS02-228-1-B(pto)	1585	35.7	2.0	2.7	1.3
PS03-042-7-B	1555	36.5	2.0	2.3	1.0
PS03-044-4-B	1546	35.6	2.0	2.7	1.0
Bill Z	1483	30.5	1.0	2.0	1.0
USPT-CBB-5	1356	29.0	2.0	2.0	1.0
PS03-043-3-B	1315	29.8	1.3	2.7	1.0
<u>Great Northern:</u>					
PS02-228-8-B	2004	36.4	1.3	3.0	1.3
PS02-228-2-B	1659	32.4	1.7	2.7	2.3
PS03-042-15-B	1583	32.6	2.0	3.0	1.0
PS02-226-3-B	1256	28.2	1.3	2.7	1.0
Matterhorn	1020	37.1	2.0	3.0	3.7
PS02-228-1-B(gn)	1010	35.3	2.0	3.3	1.0
PS02-228-9-B	1001	31.4	2.3	3.7	2.3
Orion	983	33.9	1.3	3.7	2.0
Mean	1470	33.1	1.8	2.8	1.4
LSD 5%	692	2.9	1.1	1.7	1.4
C.V. %	29	5	38	37	61

R0503: Prosser,WA. "2005" Small Red Advanced Stress Trial

<u>ID Line:</u>	<u>Yield (lbs/A)</u>	<u>100-seed Weight (grams)</u>	<u>Emergence *(1-9)</u>	<u>Early Seedling Vigor *(1-9)</u>	<u>Curly Top Virus *(1-9)</u>
USRM-20	2916	40.1	1.3	2.0	1.0
NW-63	2540	31.2	1.3	1.7	1.0
PS00-046-8-B-8-B2	2429	33.1	1.7	2.7	1.0
Merlot	1840	33.5	2.0	2.7	1.0
UI-259	1790	31.6	1.7	1.3	1.0
PS01-045-12-B3	1755	35.7	2.0	2.3	1.0
PS01-041-9-B3	1577	35.5	1.7	1.7	1.0
PS01-036-2-B3	1511	32.1	2.7	2.3	1.0
PS99-174-5-B-B-5-B2	1476	30.3	1.7	2.3	1.0
PS00-037-6-B-1-B2	1160	28.6	1.7	2.0	1.7
PS00-037-6-B-5-B2	1049	30.6	1.7	2.0	2.3
PS00-041-4-B-10-B2	1042	33.8	2.0	3.3	1.0
PS99-174-5-B-B-4-B2	1016	31.4	1.3	2.7	1.3
Mean	1700	32.9	1.7	2.2	1.2
LSD 5%	890	4	0.9	1.6	1.2
C.V. %	32	7	32	43	63

R0504: Prosser,WA. "2005" Small Red/Pink Preliminary Stress Trial

<u>ID Line:</u>	<u>Yield (lbs/A)</u>	<u>100-seed Weight (grams)</u>	<u>Emergence *(1-9)</u>	<u>Early Seedling Vigor *(1-9)</u>	<u>Curly Top Virus *(1-9)</u>
<u>Small Red:</u>					
UI-239	1845	30.0	1.7	2.0	1.0
PS02-240-4-B	1738	37.5	1.7	1.7	1.0
PS02-240-1-B	1385	29.6	1.7	3.0	2.0
PS03-056-1-B	1228	27.8	2.0	3.7	1.3
Merlot	1193	31.3	2.0	3.0	1.0
<u>Pink:</u>					
ROZA	2602	30.0	1.3	1.3	1.0
PS02-230-5-B	2181	34.3	2.0	1.7	1.3
PS03-052-6-B	1893	33.1	1.3	1.7	1.0
ROG-312	1840	32.4	1.0	1.7	1.0
PS03-049-6-B	1638	32.8	2.0	2.0	1.7
PS02-230-2-B	1572	34.9	1.7	2.7	2.3
PS02-230-3-B	1553	34.6	2.0	2.3	1.0
Mean	1722	32.4	1.7	2.2	1.3
LSD 5%	710	2.8	0.7	1.3	1.3
C.V. %	25	5	24	36	60

R0505: Prosser,WA. "2005" Pink Advanced Stress Trial

<u>ID Line:</u>	<u>Yield (lbs/A)</u>	<u>100-seed Weight (grams)</u>	<u>Emergence *(1-9)</u>	<u>Early Seedling Vigor *(1-9)</u>	<u>Curly Top Virus *(1-9)</u>
PS00-102-7-B-12-B2	2322	36.7	1.3	1.7	1.0
PS99-163-5-B2-9-B2	2281	31.0	1.0	1.7	1.7
PS00-086-7-B4	2268	32.1	2.0	1.7	1.0
PS00-093-1-B4	2085	38.8	1.3	1.0	1.0
PS99-163-5-B2-10-B2	2024	31.4	1.7	2.7	1.7
ROZA	2006	29.2	1.3	1.7	1.0
PS01-007-10-B3	1864	34.2	1.3	1.7	1.0
PS01-015-2-B3	1856	33.1	2.0	2.3	1.0
PS00-072-1-B-2-B2	1795	30.9	2.0	1.3	1.0
PS01-015-25-B3	1736	33.2	2.0	2.7	1.0
PS01-021-9-B3	1712	30.7	1.3	2.7	1.0
ROG-312	1707	29.5	1.3	1.7	1.0
PS00-092-3-B4	1644	33.1	1.7	1.7	1.0
PS00-072-1-B-8-B2	1533	32.2	2.0	2.0	1.0
PS99-162-17-B5	1324	30.4	1.7	3.7	1.0
PS00-090-1-B-9-B2	1267	30.1	2.3	2.7	1.0
PS99-153-13-B2-12-B2	1247	29.8	1.7	3.3	1.0
Mean	1800	32.1	1.6	2.1	1.1
LSD 5%	820	2.5	0.7	1.3	0.6
C.V. %	28	5	34	39	35

R0506: Prosser,WA. "2005" Great Northern Advanced Stress Trial

<u>ID Line:</u>	<u>Yield (lbs/A)</u>	<u>100-seed Weight (grams)</u>	<u>Emergence *(1-9)</u>	<u>Early Seedling Vigor *(1-9)</u>	<u>Curly Top Virus *(1-9)</u>
PS99-138-3-B2-11-B2	2117	36.7	2.0	2.0	1.7
PS00-117-4-B-2-B2	1740	33.6	1.7	1.7	1.0
PS99-138-3-B2-2-B2	1714	38.3	1.3	3.0	1.3
PS99-136-3-B2-3-B2	1624	33.7	1.3	2.0	1.7
Matterhorn	1590	38.7	1.3	1.3	3.0
PS01-145-7-2-B	1585	38.7	1.7	1.7	2.3
PS99-136-2-B2-1-B2	1579	35.0	2.0	3.0	2.3
USGN-5	1526	35.4	1.7	2.7	1.3
PS00-145-13-B-6-B2	1524	34.3	2.0	3.3	1.0
PS99-136-3-B2-6-B2	1500	33.6	2.0	2.7	1.7
PS01-118-B-3(gn)	1439	28.1	1.3	3.7	1.3
PS01-145-7-7-B	1439	34.6	2.0	1.3	2.7
PS02-023E-3-B2	1420	33.3	2.0	2.7	2.0
PS01-130-4-B3	1369	36.0	2.3	3.3	2.7
PS99-138-3-B2-7-B2	1326	36.7	1.7	2.7	2.7
PS01-337-2-B2	1230	38.3	1.7	2.3	1.7
Orion	1197	33.4	1.7	3.3	1.7
UIG4-53P-2G	759	37.2	2.7	3.7	4.0
ABL-6	669	40.1	2.0	3.3	4.3
Mean	1440	35.6	1.8	2.6	2.1
LSD 5%	942	3.7	1.0	1.4	1.8
C.V. %	40	6	35	34	53

R0507: Prosser,WA. "2005" Black Advanced Stress Trial

<u>ID Line:</u>	<u>Yield (lbs/A)</u>	<u>100-seed Weight (grams)</u>	<u>Emergence *(1-9)</u>	<u>Early Seedling Vigor *(1-9)</u>	<u>Curly Top Virus *(1-9)</u>
PS00-331-3-1-B2	1428	21.0	1.7	2.3	1.0
PS00-336-4-2-B2	1363	18.1	1.7	3.3	1.0
PS00-331-3-3-B2	1310	18.8	2.3	2.7	1.0
PS00-336-4-4-B2	1110	18.2	2.0	4.0	1.0
PS01-238-4-B2	1099	18.5	2.3	2.3	1.0
PS01-248-3-B2	1077	19.6	2.3	2.7	1.3
IO1892-115M	1060	18.7	1.7	3.3	1.0
Condor	1034	20.3	1.7	3.0	1.0
PS01-233-2-B2	966	18.0	1.3	3.3	1.0
UI-911	948	18.4	1.3	2.3	1.0
CO-27862	916	20.9	2.0	3.3	1.7
CO-27864	392	19.1	1.3	3.0	1.7
Mean	1060	19.1	1.8	2.9	1.1
LSD 5%	709	2.3	1.2	1.5	0.6
C.V. %	41	7	42	32	36

R0508: Prosser,WA. "2005" Black Preliminary Stress Trial

<u>ID Line:</u>	<u>Yield (lbs/A)</u>	<u>100-seed Weight (grams)</u>	<u>Emergence *(1-9)</u>	<u>Early Seedling Vigor *(1-9)</u>	<u>Curly Top Virus *(1-9)</u>
PS03-071-19-B	2065	19.5	2.0	2.0	1.0
PS03-071-14-B	1486	18.9	3.0	3.0	1.0
PS03-071-13-B	1230	19.3	1.0	1.5	1.0
PS03-071-2-B	1092	18.7	2.0	2.7	1.0
PS03-071-17-B	1080	18.6	1.5	3.0	1.0
UI-911	1038	18.2	1.7	2.0	1.3
PS03-071-8-B	807	18.1	1.3	2.0	1.0
PS03-071-1-B	763	17.8	2.7	2.7	1.0
H9673-87	565	18.5	3.0	3.7	1.0
Mean	1100	18.7	2.0	2.5	1.0
LSD 5%	793	1.7	1.0	1.3	0.3
C.V. %	44	6	29	32	21

R0509: Prosser,WA. "2005" Kidney Stress Trial

<u>ID Line:</u>	<u>Emergence</u> <u>*(1-9)</u>	<u>Early</u> <u>Seedling</u> <u>Vigor</u> <u>*(1-9)</u>	<u>Curly</u> <u>Top</u> <u>Virus</u> <u>*(1-9)</u>
<u>Dark Red Kidney:</u>			
Montcalm	3.3	4.0	2.7
OT9743-55-9-3-3-B4	2.3	3.7	2.7
OT9743-61-8-1-5-B4	2.0	4.0	1.7
PS00-188-5-B3	2.0	3.3	1.3
PS01-164-5-B2	2.0	3.3	1.7
PS01-365B-2-B	2.3	5.0	1.3
PS01-370C-3-B	3.3	5.0	3.3
PS01-370C-4-B	3.3	5.3	4.7
PS99-096-21-B4	2.3	4.0	2.0
RH4-1308C-3-B	2.3	4.0	1.7
RH4-1308C-9-B	2.3	4.3	2.3
RedHawk	2.7	5.0	3.0
USDK-CBB-15	2.7	6.3	2.7
Fiero	2.0	3.0	1.7
<u>Light Red Kidney:</u>			
PS01-171-6-B	2.7	6.0	3.7
Blush	1.7	2.3	1.0
<u>White Kidney:</u>			
Beluga	3.0	5.7	4.3
USWK-CBB-16	4.0	6.0	2.5
USWK-CBB-17	3.0	5.7	2.3
Mean	2.6	4.5	2.4
LSD 5%	1.1	1.6	1.3
C.V. %	27	22	32

No yield data taken
because of poor yield for all lines.

R0510: Prosser,WA. "2005" Cranberry Stress Trial

<u>ID Line:</u>	Emergence <u>*(1-9)</u>	Early Seedling Vigor <u>*(1-9)</u>	Curly Top Virus <u>*(1-9)</u>
95-8186C	1.7	2.0	1.3
Cardinal	2.0	3.3	1.0
PS01-203-2-B2	2.7	2.7	1.3
PS01-203-3-B2	3.0	2.0	1.3
PS01-207-1-B2	2.3	1.7	1.3
PS01-207-2-B2	2.0	3.7	1.0
PS99-066C-8-10-2-1	3.3	3.6	1.3
PS99-066C-8-10-2-2	2.5	2.5	1.0
PS99-066C-8-7-2	2.0	1.7	1.0
PS99-104-1-B2-7-B2	2.0	3.0	1.0
THort	3.3	5.3	7.0
USCR-14	2.0	3.0	1.0
Mean	2.4	2.9	1.6
LSD 5%	1.0	1.6	0.8
C.V. %	24	34	29

No yield data taken
because of poor yield for all lines.