

14th International Triticale Yield Nursery
on the Yuma Valley Agricultural Experiment Station

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This nursery was grown in cooperation with the International Maize and Wheat Improvement Center (CIMMYT) at Obregon, Mexico, and is part of their testing program in connection with the triticales improvement effort at the center.

Individual plots consisted of 6 ten-foot rows spaced 12 inches apart, with the 4 center rows harvested for yield. Plot yields were multiplied by a factor of 1089 for an estimate of yield per acre.

Crop History:

Planted: Dec. 20, 1982

Rainfall: Dec. 8-10: 1.82 in.; Jan. 28-29: .57 in.; Feb. 3-4: .47 in.; Feb. 7: .08 in.; and
March 2-4: .55 in. for a total of 3½ inches during the growing season.

Irrigations: December 30, March 11 and April 11

Fertilizer: 50 pounds of N per acre as ammonium nitrate during seed bed preparation Nov. 23, 50 pounds N as liquid ammonium nitrate in the Dec. 30 irrigation, and 50 pounds N in the March 11 irrigation.

Weed Control: One application of barban (Carbyne) at the rate of 3/8 pound per acre Jan. 26.

Previous Crop: Wheat during the winter and spring of 1981-82.

Triticale ^{1/}

Entry	Origin	Days to Head	Plant Height (inches)	Lodging %	Test Weight (lb/bu)	Yield (lb/acre)
PTR "S"-PND "S"	Mexico	89	35	0	56	5685
Yavaros (Wheat)	Mexico	91	29	0	64	5434
IRA-BGL x DRIRA-KGR	Mexico	86	34	0	58	5412
PIKA "S"	Mexico	89	35	0	58	5369
VACA "S"	Mexico	87	34	3	55	5140
FS1795-LNC	Mexico	90	40	0	57	5020
TJ-BGL "S"	Mexico	90	38	0	55	5009
PND "S"-LNC	Mexico	89	34	0	59	4988
BEAGLE	Mexico	88	37	0	53	4944
TOPO 1419	Mexico	91	35	0	56	4835
DELFIN 205	Mexico	89	37	0	57	4748
WHALE "S"	Mexico	92	37	0	58	4737
MULA "S"	Mexico	93	36	0	55	4672
CHIVA "S"	Mexico	87	33	0	56	4628
CANANEA 79	Mexico	88	36	0	54	4617
BUEY-BGL "S"	Ecuador	91	38	0	55	4596
GLENNSON (Wheat)	Mexico	93	31	0	63	4574
PTR "S"-MA	Mexico	88	29	0	56	4552
PTR "S"-MIA	Mexico	90	34	0	57	4541
YE75 x IA-BUSH	Mexico	89	35	0	56	4476
YECORA ROJO (Wheat)	Mexico	87	24	0	62	4432
IRA-DRIRA 37	Mexico	88	34	7	56	4421
JANILLO 97	Mexico	88	38	0	56	4410
JUPPA "S"	Kenya/Mexico	87	31	0	56	4345
LECHON "S"	Mexico	89	32	10	56	4160
M2A-BGL "S"	Ecuador	91	38	0	52	4160
PND "S" ABN	Mexico	88	30	10	58	4106
DUA	Mexico	87	34	0	54	4095
TYALLA	Australia	88	33	0	54	4095
NONO "S"	Mexico	89	36	10	55	4095
MERINO "S"	Mexico	90	41	0	57	4095
MUSKOX "S"	Mexico	95	37	0	57	4062
GENARO 81 (Wheat)	Mexico	91	32	7	61	4029
PUMA "S"	Mexico	87	34	0	56	3997
IRA-DRIRA 32	Mexico	88	34	0	55	3942
PND "S" YE 75	Mexico	88	33	0	55	3920
BOA "S"	Mexico	88	34	0	54	3855
NIAB-T-183	Pakistan	88	35	0	57	3844
PANTERA 1	Portugal	86	34	0	54	3801
TRR-MPE "S"/PND "S" x M2A-IRA	Mexico	89	33	0	56	3288

^{1/} Data are averages of duplicate plots.