

2007 VEGETABLE CROP REPORTS

Onion Variety Trial

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PRODUCTION INFORMATION

Plots - Planted 20' long X 4 rows on beds spaced 60" on centers. Rows were spaced 12" apart on top of the bed with an in-row spacing between plants of ~3". Harvested 8 bed feet (8' X 2 rows) for yield determination. Water was supplied via drip irrigation. Each plot was replicated four times in the trial.

Planted - March 20th, 2007

Fertilizer - 104 lbs. P₂O₅/A and 22 lbs N/A as 11-52-0 - preplant. ~ 100 lbs. N/A residual and 12 lbs N supplied via drip system.

Weed Control - Roundup Ultra on April 9th
- Goal 2 and Starane on May 18th
- Prowl and Outlook on May 21st
- Goal 2 + Dual II + Select on June 19th ,
- Dual and Trigger and Goaltender on July 7th * all ground applications
- Hand weeded 2 times

Insect Control – Lannate on June 20th, Warrior and Lannate on July 7th * all ground applications

Disease Control – Dithane + Top Cop on July 7th (ground application), Dithane and NuCop July 14th and July 23rd * all ground applications

Irrigation – The plots were irrigated multiple times via drip. The amount of irrigation water applied was approximately 26 inches and seasonal precipitation was 9.4 inches.

Harvest – September 6th

Grade – November 15-20th

Comments

The 2007 season was good for onion production with no disease problems and only slight damage from storms. Thrips populations were fairly high and control measures were relatively ineffective. High population of thrips and severe leaf scarring may have contributed to some yield losses. There was no Iris Yellow Spot Virus detected in the plots. Please contact Mike Bartolo at the Arkansas Valley Research Center (719-254-6312) for additional information.

ONION VARIETY TRIAL

Arkansas Valley Research Center
Colorado State University, Rocky Ford, Colorado, 2007

Variety	Source	Maturity (% tops down) 8-27	Colossals ≥ 4" %	Jumbos 3"-4" %	Medium 2 3"-3" %	Pre-Pack 1: "-23" %	Total Market. Weight CWT/A	Culls %	Total Weight CWT/A
X-Y201	Waldow	22	5.3	78.9	13.0	2.0	764.4	0.7	770.8
X-Y202	Waldow	12	0.0	72.6	23.0	4.3	758.1	0.0	758.1
Vaquero	Nunhems	72	0.0	63.3	32.4	4.3	749.5	0.0	749.5
Tequilla	D. Palmer	20	1.8	64.4	29.0	4.3	718.2	0.5	722.4
Ranchero	Nunhems	62	1.4	55.3	39.7	3.5	716.6	0.0	716.6
Generation X	D. Palmer	20	0.0	59.3	37.0	3.7	693.7	0.0	693.7
Evolution	D. Palmer	17	0.0	69.6	28.5	1.8	688.4	0.0	688.4
Cinch	Bejo	15	0.0	76.9	18.9	3.1	668.1	1.1	677.2
Peso	Bejo	22	0.0	63.5	32.8	3.7	635.2	0.0	635.2
OLYS03-222 (W)	Crookham	87	0.0	58.9	37.4	3.1	622.4	0.6	626.1
Mesquite	D. Palmer	12	5.4	69.0	22.5	1.5	614.4	1.5	622.9
OLYS03-207	Crookham	17	0.0	57.5	36.5	6.0	601.6	0.0	601.6
T-433	Takii	27	0.0	69.7	26.3	3.9	601.6	0.0	601.6
OLYS05N5	Crookham	10	1.1	78.1	17.7	3.0	597.9	0.0	597.9
Cometa	Nunhems	27	0.0	50.8	43.8	5.4	596.9	0.0	596.9
OLYS03-207	Crookham	12	0.0	77.1	20.7	2.2	586.2	0.0	586.2
NUN8000ON	Nunhems	22	1.0	53.2	40.7	5.1	582.5	0.0	582.5
Delgado	Bejo	20	0.0	39.2	53.6	7.1	581.4	0.0	581.4
Affirmed	Seminis	77	0.0	70.7	25.9	3.4	572.9	0.0	572.9
Charismatic	Seminis	55	0.0	60.0	33.9	6.1	563.9	0.0	563.9
Desparado	Bejo	42	0.0	52.8	40.7	6.5	551.6	0.0	551.7
Harmony	Crookham	12	1.1	65.0	29.0	3.4	551.1	1.4	560.2
Colorado 6	Burrell	12	0.0	67.8	27.3	3.3	544.2	1.6	552.7

XP7106 (W)	Seminis	20	0.0	43.2	52.5	4.3	539.9	0.0	539.9
Joaquin	Nunhems	17	0.0	68.5	29.9	1.5	535.1	0.0	535.1
Calibra	Bejo	62	0.0	42.5	50.2	6.8	534.6	0.5	537.8
NUN7606ON	Nunhems	42	0.0	47.1	44.4	8.5	530.4	0.0	530.4
Toluca (W)	Seminis	35	0.0	46.8	48.0	4.6	526.1	0.5	528.8
Arcero	Nunhems	27	1.7	48.5	46.2	3.6	504.8	0.0	504.8
Sedona	Bejo	22	0.0	30.5	62.6	6.4	503.8	0.5	506.4
BGS231	Bejo	15	0.0	38.9	53.0	5.8	473.4	2.2	484.1
Granero	Nunhems	47	0.0	29.7	63.5	6.8	468.6	0.0	468.6
Pandero	Nunhems	22	0.0	35.4	59.8	4.8	465.5	0.0	465.5
Gunnison	Bejo	52	0.0	11.7	71.0	17.3	450.0	0.0	450.0
Crockett	Bejo	10	0.0	21.9	68.0	10.1	445.2	0.0	445.2
Talon	Bejo	45	0.0	13.6	78.0	8.4	429.3	0.0	429.3
DPS 1417	D. Palmer	47	0.0	34.3	58.6	6.3	397.9	0.8	401.1
Salsa (R)	Nunhems	50	0.0	28.6	67.8	3.6	390.4	0.0	390.4
DPS 1423	D. Palmer	90	0.0	20.6	71.1	8.2	380.3	0.0	380.3
DPS 3052 (R)	D. Palmer	15	0.0	9.8	71.5	15.6	333.0	3.0	343.6
DPS 1418	D. Palmer	67	0.0	2.5	82.5	14.9	327.1	0.0	327.1
DPS 3055 (R)	D. Palmer	15	0.0	3.9	69.3	23.7	309.0	3.0	320.2
DPS 1424	D. Palmer	85	0.0	9.3	72.9	17.8	300.5	0.0	300.5
DPS 3058 (R)	D. Palmer	12	0.0	6.1	65.9	23.8	293.6	4.2	306.4
DPS 1413	D. Palmer	57	0.0	1.1	82.1	16.8	279.3	0.0	279.3
DPS 3062 (R)	D. Palmer	7	0.0	5.6	76.9	12.3	275.5	5.1	289.9
DPS 1415	D. Palmer	50	0.0	1.6	66.0	32.4	270.7	0.0	270.7
DPS 1416	D. Palmer	67	0.0	10.4	69.2	18.4	258.5	2.1	263.8
DPS 1414	D. Palmer	47	0.0	1.2	65.7	33.1	253.2	0.0	253.2
DPS 1419	D. Palmer	47	0.0	4.6	71.5	23.9	233.0	0.0	233.0

Lsd (0.1)=

108.5

109.1