

## 2005 COLUMBIA BASIN ONION DEMONSTRATION

<u>SEED COMPANY</u>	<u>CULTIVAR</u>	<u>PLOT NUMBER</u>	<u>MATURITY</u> <sup>1</sup>	<u>THRIPS COUNT</u> <sup>2</sup>					
				<u>Non-Treated Rows</u>			<u>Insecticide- Treated Rows</u>		
American Takii	9003 G	143, 229, 325	1, 6, 41, 63	0.3, 16.3, 4.8	0.2, 14.3, 7.3				
	T-433	144, 222, 327	1, 3, 3, 14	0.3, 7.3, 4.0	0.2, 7.7, 2.5				
	T-441	145, 244, 346	3, 12, 83, 93	0.0, 9.8, 9.2	0.5, 9.5, 3.2				
	T-817●	146, 202, 321	2, 12, 75, 96	0.2, 13.2, 5.5	0.2, 14.7, 1.8				
Bejo Seeds	Calibra F1	104, 228, 337	2, 10, 61, 88	0.2, 10.8, 6.2	0.0, 12.3, 2.0				
	Crockett F1	105, 208, 303	0, 0, 1, 11	0.0, 11.5, 9.5	0.0, 18.7, 3.8				
	Copra F1	106, 213, 343	1, 11, 91, 94	0.5, 14.5, 1.2	0.0, 10.8, 1.2				
	Gunnison F1	107, 224, 332	3, 26, 94, 94	0.0, 21.2, 1.0	0.0, 14.3, 1.5				
	Red Bull F1●	108, 232, 316	0, 1, 10, 27	0.2, 10.3, 7.3	0.0, 16.0, 3.2				
	Redwing●	109, 215, 312	0, 0, 1, 6	0.2, 10.5, 2.5	0.0, 6.8, 1.7				
	Sedona F1	110, 239, 347	0, 1, 21, 39	0.3, 16.2, 3.5	0.2, 11.5, 2.3				
	Talon F1	111, 212, 336	3, 12, 76, 93	0.2, 13.3, 4.0	0.0, 16.7, 3.2				
	Tamara F1	112, 240, 335	0, 5, 63, 75	0.0, 16.3, 7.8	0.2, 6.0, 1.8				
Crookham Co.	Genesis	147, 211, 338	53, 87, 98, 99	0.3, 14.7, 7.3	0.0, 12.5, 4.0				
	Harmony■	148, 231, 322	1, 1, 22, 47	0.0, 10.2, 4.7	0.0, 11.2, 2.7				
	Nobility	149, 223, 305	8, 30, 86, 97	0.3, 13.3, 6.3	0.0, 11.8, 1.3				
Global Genetics	Varsity	113, 249, 330	6, 33, 83, 86	0.2, 22.5, 4.7	0.2, 14.2, 2.3				
	SWO 4001	114, 233, 349	0, 4, 53, 70	0.0, 15.0, 2.3	0.0, 16.3, 3.7				
	SWO 4014	115, 220, 308	10, 20, 57, 82	0.2, 7.8, 7.0	0.0, 10.3, 2.8				
	Maverick	116, 235, 344	0, 1, 5, 22	0.0, 16.7, 3.5	0.2, 11.8, 17.3				
	SWO 6011	117, 204, 323	0, 0, 8, 34	0.0, 20.2, 19.5	0.0, 13.0, 6.8				
Nippon Norin	REE	101, 206, 317	0, 0, 15, 28	0.2, 16.8, 5.5	0.2, 27.5, 3.2				
	W-10	102, 241, 320	0, 4, 55, 83	0.2, 15.0, 4.2	0.0, 13.2, 0.0				
	Tenshin	103, 205, 329	0, 0, 1, 5	0.0, 26.3, 3.2	0.5, 20.0, 4.3				

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				<u>Non-Treated Rows</u>			<u>Insecticide- Treated Rows</u>		
Nunhems	Montero	118, 217, 341	7, 13, 79, 87	0.3,	7.0,	6.8	0.0,	13.7,	1.8
	Tesoro	119, 248, 307	0, 3, 69, 89	0.2,	20.0,	4.3	0.0,	20.7,	3.5
	SR 7200 ON	120, 218, 334	0, 0, 10, 19	0.3,	19.2,	13.3	0.0,	10.8,	7.5
	Sabroso	121, 209, 339	1, 4, 30, 42	0.2,	11.8,	17.3	0.2,	12.0,	2.2
	Ranchero	122, 247, 301	1, 13, 17, 43	0.2,	22.7,	13.2	0.2,	13.0,	8.0
	Granero	123, 237, 314	1, 4, 8, 30	0.3,	17.2,	5.7	0.0,	12.0,	2.7
	Vaquero	124, 203, 345	1, 5, 38, 56	0.0,	7.3,	3.5	0.0,	16.2,	20.7
	SX 7004 ON	125, 236, 348	1, 2, 14, 33	0.0,	13.5,	19.3	0.3,	17.3,	1.7
	Pandero	126, 245, 304	0, 1, 3, 9	0.0,	11.0,	6.8	0.0,	14.3,	3.3
	Flamenco●	127, 242, 340	12, 34, 88, 95	0.3,	7.8,	9.8	0.3,	9.8,	3.7
Salsa●	128, 216, 310	1, 10, 49, 86	0.3,	16.3,	3.2	0.0,	11.3,	1.5	
Seminis Vegetable Seeds	8117	129, 230, 315	4, 30, 78, 90	0.2,	15.8,	9.0	0.2,	13.0,	4.0
	Citation (EX 7004)	130, 243, 306	27, 53, 91, 96	0.3,	17.0,	8.8	0.0,	10.2,	4.2
	Red Zeppelin●	131, 210, 342	2, 13, 74, 83	0.2,	15.5,	13.2	0.2,	12.3,	2.5
	5819	132, 234, 324	1, 4, 44, 62	0.0,	16.0,	2.2	0.0,	10.3,	4.2
	7106 ▲	133, 225, 331	2, 6, 15, 17	0.2,	8.5,	16.8	0.2,	7.3,	3.2
	5646 ▲	134, 221, 309	0, 4, 12, 34	0.3,	18.8,	7.5	0.5,	17.3,	3.2
	Tioga	135, 238, 311	2, 8, 75, 93	0.5,	9.5,	7.0	0.2,	14.2,	2.0
	Pinnacle	136, 226, 319	2, 6, 45, 78	0.0,	14.7,	11.3	0.0,	13.2,	4.8
	5843	137, 227, 328	1, 3, 13, 40	0.3,	20.3,	9.3	0.2,	9.7,	4.5
	7011	138, 207, 313	2, 9, 82, 88	0.0,	17.3,	3.8	0.2,	17.0,	1.0
	8112	139, 214, 326	27, 58, 95, 98	0.3,	12.8,	5.3	0.2,	9.3,	2.2
	6045	140, 201, 302	0, 1, 3, 24	0.3,	22.7,	2.0	0.0,	13.0,	9.3
	Charismatic (PX 5299)	141, 219, 333	0, 5, 13, 30	0.2,	19.8,	3.3	0.3,	17.2,	3.7
	5813	142, 246, 318	0, 3, 21, 58	0.0,	20.8,	4.3	0.2,	10.8,	2.7
	<i>Non planted plots</i>		<i>150, 250, 350</i>						

●=red onion      ▲=white onion      ■= bolted (Cultivars or lines showed significant seed stalk formation (5% or more of the bulbs in at least two of the replications) at the time of maturity evaluations.

1. Maturity expressed as a visual estimate of percentage of plants with "tops down" on August 1, August 8, August 14, and August 22, averaged over 3 replications at each date.
2. THRIPS COUNTS = mean number of thrips counted on two plants per plot and averaged over 3 replications. Counts were made 5 or 8 days following insecticide applications to the 2 east double-rows of each plot on June 15, July 13, and August 18. The 2 west double-rows in each plot were not treated with insecticides. Insecticide applications and thrips counts were completed by Doug Walsh and Ron Wight (WSU Prosser IAREC).

Lindsey du Toit, WSU Vegetable Seed Pathologist  
 WSU-NWREC, 16650 State Route 536  
 Mount Vernon, WA 98273-4768  
 Phone: 360.848.6140; Email: dutoit@wsu.edu

Mark Trent, WSU Grant/Adams Area Extension Educator  
 Courthouse, PO Box 37  
 Ephrata, WA 98823  
 Phone: 509.754.2011 ext. 411; Email: trentm@wsu.edu

# WASHINGTON STATE UNIVERSITY EXTENSION 2005 COLUMBIA BASIN ONION DEMONSTRATION

Replication III	350	349	348	347	346	345	344	343	342	341	340	339	338	337	336
	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335
	320	319	318	317	316	315	314	313	312	311	310	309	308	307	306
Replication II	241	242	243	244	245	246	247	248	249	250	301	302	303	304	305
	240	239	238	237	236	235	234	233	232	231	230	229	228	227	226
	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225
	210	209	208	207	206	205	204	203	202	201	150	149	148	147	146
Replication I	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145
	130	129	128	127	126	125	124	123	122	121	120	119	118	117	116
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115

**North**




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**Concrete irrigation ditch**

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**Coyan Road**

**Grower & Location:** Kerrick Baumann – L&L Farms, 7222 Coyan Road., Connell, WA 99326

**Surrounding Cultivar:** Ranchero

**Plot Size:** 88" bed (4 double-rows) x 30' long, with 5' alley separating plots

**Planting Date:** March 25, 2005, with assistance from Marcel Wanders and George Gentry, Seminis Vegetable Seeds

**Irrigation Method:** Furrow