

# 2013 WESTERN REGIONAL CHIPPING POTATO TRIAL REPORT

State Agricultural Experiment Stations and the  
USDA-ARS

California  
Colorado  
Idaho  
Oregon  
Texas



## 2013 WESTERN REGIONAL CHIPPING POTATO VARIETY TRIAL REPORT

### TABLE

- 1 Locations, Cooperators, and Cultural Information
- 2 Clone, Seed Source, Stand, Tuber and Vine Characteristics, Stems/plant
- 3 Total Yield (CWT/A) - Yield of U.S. No. 1's (CWT/A & %)
- 4 Yield of U.S. No. 1's Over 10 oz. - Yield of Tubers Under 4 oz. (CWT/A & %)
- 5 Specific Gravity
- 6 Average Tuber Size and Tuber Shape
- 7 External Defects - Growth Cracks, Second Growth, Shatter Bruise, and Scab
- 8 Internal Defects - Hollow Heart/Brown Center, Internal Brown Spot, Vascular Discoloration, and Blackspot Bruise
- 9 Chip Color
- 10 Solids, Dextrose, Sucrose, Protein, Vitamin C, and Glycoalkaloids - Aberdeen
- 11 Disease Evaluations - Aberdeen, Hermiston, Corvallis, Klamath Falls, Prosser and Tulelake
- 12 Merit Scores
- 13 Summary of Entry Performance
- 14 Three Year Summary of Graduating Entries
- 15 State Comments and Extra Clonal Information
- 16 State Comments and Extra Clonal Information continued

Compiled by David Holm and Caroline Gray

TABLE 1: 2013 Western Regional Chipping Potato Variety Trial - LOCATIONS, COOPERATORS, AND CULTURAL INFORMATION

Locations	Cooperators	Trial	Irrigation	Fertilizer N-P-K-S(lb/A)	Spacing	Planting Date	Vine Kill Date	Harvest Date	Days to Vine Kill	Days to Harvest	Herbicides	Insecticides	Fungicides
Tulelake California <b>(CA)</b>	R. Wilson D. Culp	Late	Sprink.	139-39-100	9.1" x 36"	15-May	30-Aug	27-Sep	107	135	Matrix Prowl H2O Roundup Outlook	Admire Pro Movento	Quadris Bravo Weather Stick
San Luis Valley Colorado <b>(CO)</b>	D. Holm C. Gray	Late	Pivot	120-60-40-25-2.5Zn	12" x 34"	15-May	30-Aug	24-Sep	107	132	Reglone Sulfuric Acid	Fulfill Plantinum	Quadris Omega 500F Bravo Weather Stick
Aberdeen Idaho <b>(ID)</b>	J. Stark R. Novy J. Whitworth P. Bain	Late	Sprink.	275-240-100	10.6" x 36"	30-Apr	31-Aug	19-Sep	123	142	Mechanical TriCor 4F Prowl H2O Establish	Admire Pro	Equus 720 SST Manzate Echo
Hermiston Oregon <b>(HRM)</b>	V. Sathuvalli L. Leroux	Early	Pivot	300-180-100-70-5Zn-1B	9.25" x 34"	22-Mar	23-Jul	7-Aug	123	138	Reglone Vapam Matrix Dual Magnum	Admire Coragen Agr-Mek Coragen	Quadris Ridomil
Klamath Falls Oregon <b>(KF)</b>	B. Charlton N. Baley	Late	Sprink.	193-116-132	9.25" x 36"	15-May	10-Sep	27-Sep	118	135	Reglone Prowl Matrix	Movento Admire Vydate C-LV Telone Vapam	Moncut Ridomil / Bravo Luna
Dalhart Texas <b>(DTX)</b>	J. C. Miller, Jr. J. Koym D. Schuering	Early	Pivot	266-139-184	9" x 28"	14-May	9-Sep	30-Sep	118	139	Mechanical Chateau Select Max Tricor Brawl Acumen	Epimek Fulfill Movento Beleaf	Platinum Quadris Penncozeb Echo Luna Revus Top Scala Ultra Fourish
Springlake Texas <b>(STX)</b>	J. C. Miller, Jr. J. Koym D. Schuering	Early	Pivot	155-34-34	9" x 36"	27-Mar	27-Jul	2-Aug	125	130	Mechanical Roundup Sencor Dual	Movento Agrimek Beleaf Venom	Scala Bravo

TABLE 2: 2013 Western Regional Chipping Potato Variety Trial - CLONE, PARENTS, FLOWER COLOR, ENTERED BY, YEARS IN TRIAL, SEED SOURCE, STAND, TUBER AND VINE CHARACTERISTICS, AND STEMS PER PLANT

No	Clone	Parents	Flower Color	Entered by	Year in Trial	Seed Source	Mean Stand %	Tuber		Skin		Vine		Maturity	Stems/Plant	
								Shape			Size					
1	ATLANTIC	WAUSEON B5141-6	V Lt Red-purple	Check	Ck	CO/P	95	2.3	Oblong	2.2	Buff	3.9	Med-large	3.4	Medium	2.1
2	CHIPETA	WNC612-13 WISCHIP	Med Red-purple	Check	Ck	CO/P	94	2.7	Oblong	1.8	White	5.1	Very Large	4.3	Late	2.1
3	A00188-3C	A91790-13W Dakota Pearl	Aborted	ID	3	P	98	1.5	Round	1.5	White	3.4	Med-large	3.4	Medium	3.7
4	AC00206-2W	AC87340-2 Dakota Pearl	White	CO	1	CO	94	1.5	Round	1.4	White	3.1	Med-large	2.8	Med Early	2.1
5	AC01151-5W	COA96142-7 NDA2031-2	Purple	CO	3	CO	96	1.5	Round	1.1	White	3.5	Med-large	3.6	Med-late	2.6
6	AC03433-1W	A94322-8C COA96141-4	Light Purple	CO	2	CO	91	1.6	Oval	1.7	White	4.0	Med-large	4.1	Late	1.8
7	AC03452-2W	A98423-1C COA96141-2C	White	CO	1	CO	98	1.6	Oval	1.2	White	4.1	Large	3.6	Med-late	2.4
8	CO02024-9W	A91790-13W CO95051-7W	White	CO	3	CO	91	1.8	Oval	1.4	White	3.4	Med-large	3.3	Medium	2.3
9	CO02033-1W	A91790-13W S440	White	CO	3	CO	93	2.3	Oblong	1.5	White	3.7	Med-large	3.2	Medium	2.4
10	CO02321-4W	NY115W BC0894-2W	Light Purple	CO	3	CO	93	1.6	Oval	1.4	White	3.6	Med-large	3.3	Medium	2.1
11	CO03243-3W	BC0894-2W A91790-13	Light Purple	CO	2	CO	92	1.9	Oval	1.6	White	4.4	Large	4.1	Late	2.0

<sup>1</sup>Numerical values are means of all trial locations. Stand % for Klamath Falls was taken at 30 days

<sup>2</sup>1.0-2.0=Round, 2.1-2.5=Round-Oblong, 2.6-3.5=Oblong, 3.6-4.0=Oblong-Long, 4.1-5.0=Long

<sup>3</sup>1.0-2.0=White, 2.1-3.0=Light Russet, 3.1-4.0=Medium Russet, 4.1-4.5=Medium Heavy Russet, 4.6-5.0 Heavy Russet

<sup>4</sup>1.0-2.5=Small, 2.6-3.0=Medium, 3.1-4.0=Medium-Large, 4.1-4.5=Large, 4.6-5.0=Very Large

<sup>5</sup>1.0-2.5=Early, 2.6-3.0=Medium-Early, 3.1-3.5=Medium, 3.6-4.0= Medium-Late, 4.1-4.5=Late, 4.6-5.0=Very Late

TABLE 3: 2013 Western Regional Chipping Potato Variety Trial - TOTAL YIELD - YIELD OF U.S. #1'S (CWT/A &amp; %)

No. Clone	Total Yield (CWT/A)								Entry		U.S. No. 1's (CWT/A) / %								Entry	
	CA	CO	ID	HRM	KF	DTX	STX	Mean	Rank	CA	CO	ID	HRM	KF	DTX	STX	Mean	Rank		
1 ATLANTIC	454	430	435	503	469	443	241	425	4	358	356	332	387	338	369	192	333	3		
2 CHIPETA	382	448	549	456	578	164	187	395	8	296	374	469	404	411	141	151	321	5		
3 A00188-3C	346	440	414	534	524	229	171	380	10	210	303	290	427	366	166	93	265	10		
4 AC00206-2W	370	362	360	415	456	411	325	385	9	278	299	270	335	384	312	243	303	7		
5 AC01151-5W	417	402	486	545	489	448	301	441	3	263	303	307	411	336	248	143	287	8		
6 AC03433-1W	360	340	350	474	510	272	143	350	11	267	251	234	342	401	233	116	264	11		
7 AC03452-2W	426	446	484	558	699	392	282	470	1	330	375	399	449	562	285	208	373	2		
8 CO02024-9W	416	395	437	456	633	319	229	412	7	196	298	333	345	456	244	88	280	9		
9 CO02033-1W	344	386	435	478	621	428	245	419	6	212	317	324	381	476	288	163	309	6		
10 CO02321-4W	447	351	317	543	547	475	279	422	5	352	250	224	439	400	381	225	324	4		
11 CO03243-3W	394	439	378	557	595	611	288	466	2	313	357	325	467	492	529	240	389	1		
Location Mean	396	403	422	502	556	381	244			279	317	319	399	420	290	169				
										70	78	75	79	75	77	69				

TABLE 4: 2013 Western Regional Chipping Potato Variety Trial - YIELD OF U.S. #1'S &gt;10 OZ. &amp; YIELD &lt;4OZ. (CWT/A &amp; %)

No. Clone	U.S. No. 1's > 10 OZ (CWT/A) / %							Yield < 4 OZ (CWT/A) / %							Entry Mean Rank			
	CA	CO	ID	HRM	KF <sup>1</sup>	DTX	STX	CA	CO	ID	HRM	KF	DTX	STX				
															Mean	Rank		
1 ATLANTIC	70	163	174	61	83	102	27	97	3	83	49	32	87	55	68	49	61	8
	15	38	40	12	18	23	11	23	2	18	11	7	17	12	15	20	15	9
2 CHIPETA	96	167	291	151	253	28	44	147	1	48	41	23	36	30	21	34	33	11
	25	37	53	33	44	17	24	33	1	13	9	4	8	5	13	18	10	11
3 A00188-3C	16	54	51	100	21	8	1	36	9	127	131	112	94	140	58	78	106	3
	5	12	12	19	4	4	1	8	9	37	30	27	18	27	25	46	30	3
4 AC00206-2W	38	48	60	70	78	71	50	59	6	79	52	51	70	56	77	82	67	7
	10	13	17	17	17	17	16	15	5	21	14	14	17	12	19	25	18	6
5 AC01151-5W	19	62	30	55	33	16	0	31	10	126	84	151	121	120	166	156	132	1
	5	15	6	10	7	3	0	7	10	30	21	31	22	24	37	52	31	2
6 AC03433-1W	21	44	39	29	93	76	9	44	8	75	55	35	115	61	20	26	55	10
	6	13	11	6	18	28	6	13	7	21	16	10	24	12	7	18	16	8
7 AC03452-2W	49	86	126	48	211	14	28	80	4	82	63	40	92	52	86	64	69	6
	12	19	26	9	30	4	10	16	4	19	14	8	17	7	22	23	16	7
8 CO02024-9W	2	42	40	17	31	8	0	20	11	214	95	91	102	132	72	141	121	2
	0	11	9	4	5	2	0	4	11	51	24	21	22	21	22	61	32	1
9 CO02033-1W	8	59	39	70	104	52	13	49	7	123	65	85	63	78	100	70	83	4
	2	15	9	15	17	12	5	11	8	36	17	20	13	12	23	29	21	4
10 CO02321-4W	53	70	24	85	92	75	33	62	5	86	73	78	99	94	86	52	81	5
	12	20	8	16	17	16	12	14	6	19	21	25	18	17	18	19	20	5
11 CO03243-3W	50	76	84	107	185	235	44	112	2	74	71	37	82	45	47	47	58	9
	13	17	22	19	31	38	15	22	3	19	16	10	15	8	8	16	13	10
<b>Location Mean</b>	<b>35</b>	<b>73</b>	<b>80</b>	<b>66</b>	<b>99</b>	<b>57</b>	<b>21</b>	<b>61</b>		<b>93</b>	<b>65</b>	<b>61</b>	<b>80</b>	<b>72</b>	<b>67</b>	<b>67</b>	<b>72</b>	
	<b>10</b>	<b>19</b>	<b>19</b>	<b>14</b>	<b>19</b>	<b>15</b>	<b>9</b>	<b>15</b>		<b>26</b>	<b>18</b>	<b>16</b>	<b>17</b>	<b>14</b>	<b>19</b>	<b>30</b>	<b>20</b>	

<sup>1</sup>12 ounce

TABLE 5: 2013 Western Regional Chipping Potato Variety Trial - SPECIFIC GRAVITY

No. Clone	Specific Gravity							Entry Mean	Rank
	CA	CO	ID	HRM	KF	DTX	STX		
1 ATLANTIC	1.096	1.099	1.091	1.081	1.094	1.083	1.076	<b>1.089</b>	<b>3</b>
2 CHIPETA	1.090	1.082	1.077	1.080	1.091	1.077	1.057	<b>1.079</b>	<b>10</b>
3 A00188-3C	1.096	1.089	1.088	1.081	1.091	1.085	1.071	<b>1.086</b>	<b>4</b>
4 AC00206-2W	1.087	1.087	1.083	1.079	1.086	1.083	1.071	<b>1.082</b>	<b>5</b>
5 AC01151-5W	1.089	1.085	1.083	1.071	1.086	1.075	1.065	<b>1.079</b>	<b>8</b>
6 AC03433-1W	1.089	1.078	1.079	1.075	1.089	1.076	1.067	<b>1.079</b>	<b>9</b>
7 AC03452-2W	1.087	1.075	1.073	1.069	1.087	1.065	1.059	<b>1.074</b>	<b>11</b>
8 CO02024-9W	1.088	1.084	1.081	1.077	1.090	1.083	1.067	<b>1.081</b>	<b>6</b>
9 CO02033-1W	1.101	1.096	1.098	1.088	1.090	1.086	1.071	<b>1.090</b>	<b>2</b>
10 CO02321-4W	1.092	1.098	1.095	1.082	1.098	1.087	1.079	<b>1.090</b>	<b>1</b>
11 CO03243-3W	1.089	1.086	1.086	1.077	1.082	1.075	1.071	<b>1.081</b>	<b>7</b>
<b>Location Mean</b>	<b>1.091</b>	<b>1.087</b>	<b>1.085</b>	<b>1.078</b>	<b>1.089</b>	<b>1.080</b>	<b>1.068</b>		

TABLE 6: 2013 Western Regional Chipping Potato Variety Trial - AVERAGE TUBER SIZE, AND TUBER SHAPE

No. Clone	Average Tuber Size (oz)							Tuber Shape																
	CA	ID	HRM	KF	DTX	STX	Entry Mean	Length/ Width CA	Length/ Width CO	Length/ Width ID	Length/ Width KF	Entry Mean	Width/ Thick CA	Width/ Thick CO	Width/ Thick ID	Entry Mean	(1-5, 1 = round, 5 = long)						Entry Mean	
																	CA	CO	ID	HRM	KF	DTX		STX
1 ATLANTIC	5.4	8.4	5.5	5.9	5.7	5.0	6.0	1.07	1.15	1.06	1.10	1.09	1.21	1.24	1.29	1.25	2.0	2.0	2.8	1.8	3.5	2.0	2.0	2.3
2 CHIPETA	6.3	10.3	7.1	8.5	5.3	5.7	7.2	1.12	1.24	1.12	1.17	1.16	1.16	1.21	1.33	1.24	2.0	2.0	3.0	2.4	2.5	3.5	3.5	2.7
3 A00188-3C	4.1	4.7	5.5	3.9	4.1	3.5	4.3	1.05	1.08	1.08	0.96	1.04	1.21	1.20	1.25	1.22	1.9	1.0	1.5	1.1	1.3	2.0	2.0	1.5
4 AC00206-2W	5.0	5.9	5.4	5.3	5.4	4.9	5.3	1.01	1.06	0.95	0.93	0.99	1.19	1.13	1.08	1.13	1.9	1.0	1.0	1.4	1.0	2.0	2.0	1.5
5 AC01151-5W	4.3	4.3	5.6	3.4	3.9	3.1	4.1	1.10	1.07	0.98	1.08	1.06	1.27	1.24	1.20	1.24	2.0	1.0	1.0	1.3	1.4	2.0	2.0	1.5
6 AC03433-1W	5.0	6.3	4.5	5.9	5.8	4.9	5.4	1.00	1.05	0.93	0.86	0.96	1.18	1.21	1.08	1.16	2.0	1.0	1.3	1.9	1.1	2.0	2.0	1.6
7 AC03452-2W	5.3	6.9	5.2	7.1	4.3	4.8	5.6	0.99	1.07	0.93	0.93	0.98	1.24	1.17	1.05	1.16	1.8	1.0	1.8	1.0	1.4	2.0	2.0	1.6
8 CO02024-9W	3.5	5.1	4.7	4.4	4.2	2.9	4.1	1.07	1.13	1.11	1.09	1.10	1.35	1.31	1.39	1.35	2.1	2.0	1.6	1.6	1.4	2.0	2.0	1.8
9 CO02033-1W	4.1	5.3	5.8	5.6	4.4	4.4	5.0	1.12	1.09	1.24	1.12	1.14	1.38	1.30	1.58	1.42	2.3	2.0	2.5	1.8	2.0	2.0	3.5	2.3
10 CO02321-4W	5.3	4.4	5.4	5.3	5.4	5.2	5.2	1.05	1.09	1.10	1.08	1.08	1.20	1.18	1.23	1.20	2.0	1.0	1.8	1.6	1.1	2.0	2.0	1.6
11 CO03243-3W	5.3	6.1	5.7	7.1	7.5	6.0	6.3	1.03	1.11	1.10	1.07	1.08	1.14	1.16	1.21	1.17	1.7	2.0	1.5	1.8	2.0	2.0	2.0	1.9
<b>Location Mean</b>	<b>4.9</b>	<b>6.2</b>	<b>5.5</b>	<b>5.7</b>	<b>5.1</b>	<b>4.6</b>		<b>1.06</b>	<b>1.10</b>	<b>1.06</b>	<b>1.04</b>		<b>1.23</b>	<b>1.21</b>	<b>1.24</b>		<b>2.0</b>	<b>1.5</b>	<b>1.8</b>	<b>1.6</b>	<b>1.7</b>	<b>2.1</b>	<b>2.3</b>	



TABLE 7: 2013 Western Regional Chipping Potato Variety Trial - EXTERNAL DEFECTS - GROWTH CRACKS, SECOND GROWTH, SHATTER BRUISE, SCAB - MEANS OF LOCATIONS

No. Clone	Growth Cracks <sup>1</sup>								Second Growth <sup>1</sup>						Greening <sup>1</sup>						Shatter Bruise <sup>1</sup>						Scab <sup>1</sup>								
	CA <sup>2</sup>	CO	ID	HRM	KF	DTX	STX	Entry Mean	CA <sup>2</sup>	CO	ID	KF	DTX	STX	Entry Mean	CA <sup>2</sup>	CO	HRM	KF	DTX	STX	Entry Mean	CA	HRM	KF	DTX	STX	Entry Mean	ID <sup>3</sup>	ID	HRM	KF	DTX	STX	Entry Mean
1 ATLANTIC	4.5	4.0	4.0	4.3	4.5	5.0	5.0	<b>4.5</b>	4.0	5.0	4.3	5.0	5.0	<b>4.7</b>	3.8	3.0	4.9	3.8	5.0	5.0	<b>4.2</b>	4.0	3.6	4.0	5.0	5.0	<b>4.3</b>	3.0	3.3	4.5	4.4	5.0	5.0	<b>4.4</b>	
2 CHIPETA	4.5	2.0	3.8	4.9	4.1	5.0	5.0	<b>4.2</b>	3.8	4.0	4.3	4.4	5.0	5.0	<b>4.4</b>	2.8	4.0	4.8	4.0	5.0	5.0	<b>4.3</b>	3.8	4.5	4.1	5.0	5.0	<b>4.5</b>	3.2	4.3	4.8	4.3	5.0	5.0	<b>4.7</b>
3 A00188-3C	4.0	4.0	5.0	4.4	4.6	5.0	5.0	<b>4.6</b>	4.0	4.0	4.8	4.8	5.0	5.0	<b>4.6</b>	4.0	4.0	4.8	4.4	5.0	5.0	<b>4.5</b>	3.5	4.3	4.0	5.0	5.0	<b>4.4</b>	3.1	4.3	4.5	4.4	5.0	5.0	<b>4.6</b>
4 AC00206-2W	4.5	4.0	2.0	4.6	4.8	5.0	5.0	<b>4.3</b>	4.0	5.0	4.8	4.9	5.0	5.0	<b>4.8</b>	3.5	4.0	4.8	4.3	5.0	5.0	<b>4.4</b>	3.6	4.5	2.6	5.0	5.0	<b>4.1</b>	3.6	2.5	4.6	4.4	5.0	5.0	<b>4.3</b>
5 AC01151-5W	4.0	4.0	5.0	4.4	4.8	5.0	5.0	<b>4.6</b>	4.0	5.0	4.5	5.0	5.0	5.0	<b>4.8</b>	3.0	4.0	4.9	3.5	5.0	5.0	<b>4.2</b>	3.8	5.0	4.1	5.0	5.0	<b>4.6</b>	3.1	2.7	4.6	4.6	5.0	5.0	<b>4.4</b>
6 AC03433-1W	4.3	2.0	1.3	4.0	4.1	5.0	5.0	<b>3.7</b>	4.0	5.0	5.0	4.9	5.0	5.0	<b>4.8</b>	3.3	3.0	4.4	4.1	5.0	5.0	<b>4.1</b>	3.5	5.0	4.0	5.0	5.0	<b>4.5</b>	3.0	3.5	4.6	4.5	5.0	5.0	<b>4.5</b>
7 AC03452-2W	4.3	5.0	4.3	4.9	5.0	5.0	5.0	<b>4.8</b>	4.0	4.0	4.8	4.5	5.0	5.0	<b>4.5</b>	4.0	4.0	4.5	4.3	5.0	5.0	<b>4.5</b>	4.0	4.9	4.4	5.0	5.0	<b>4.7</b>	2.9	2.8	4.9	3.9	5.0	5.0	<b>4.3</b>
8 CO02024-9W	4.8	5.0	5.0	4.8	4.5	5.0	5.0	<b>4.9</b>	4.0	5.0	4.8	4.9	5.0	5.0	<b>4.8</b>	3.8	5.0	4.9	3.4	5.0	5.0	<b>4.5</b>	3.6	4.8	3.5	5.0	5.0	<b>4.4</b>	2.6	4.0	4.6	4.6	5.0	5.0	<b>4.7</b>
9 CO02033-1W	4.8	5.0	4.0	4.5	4.9	5.0	5.0	<b>4.7</b>	4.0	5.0	5.0	4.9	5.0	5.0	<b>4.8</b>	4.0	4.0	4.8	3.8	5.0	5.0	<b>4.4</b>	2.6	3.1	2.1	5.0	5.0	<b>3.6</b>	2.0	3.5	4.8	4.3	5.0	5.0	<b>4.5</b>
10 CO02321-4W	5.0	5.0	5.0	5.0	4.6	5.0	5.0	<b>4.9</b>	4.0	5.0	5.0	4.9	5.0	5.0	<b>4.8</b>	3.8	2.0	5.0	4.3	5.0	5.0	<b>4.2</b>	4.0	5.0	4.4	5.0	5.0	<b>4.7</b>	4.0	2.8	4.8	4.5	5.0	5.0	<b>4.4</b>
11 CO03243-3W	4.3	4.0	5.0	4.9	4.3	5.0	5.0	<b>4.6</b>	4.0	5.0	5.0	5.0	5.0	5.0	<b>4.8</b>	4.0	4.0	4.8	4.0	5.0	5.0	<b>4.5</b>	4.3	4.5	3.8	5.0	5.0	<b>4.5</b>	3.7	3.5	4.9	4.3	5.0	5.0	<b>4.5</b>
<b>Location Mean</b>	4.4	4.0	4.0	4.6	4.6	5.0	5.0	4.0	4.7	4.7	4.8	5.0	5.0	3.6	3.7	4.8	4.0	5.0	5.0	3.7	4.5	3.7	5.0	5.0	3.1	3.4	4.7	4.4	5.0	5.0					

<sup>1</sup>Score 1-5, with 1=severe, 5=none

<sup>2</sup>Tulelake, CA percents were converted to a 1-5 score

<sup>3</sup>Aberdeen, ID shatter scores obtained from bruise evaluation conducted using a shatter chamber [1-5(none)]

TABLE 8: 2013 Western Regional Chipping Potato Variety Trial - INTERNAL DEFECTS - HOLLOW HEART PLUS BROWN CENTER, INTERNAL BROWN SPOT, VASCULAR DISCOLORATION/NET NECROSIS, BLACKSPOT - MEANS OF LOCATIONS

No.	Clone	Percent Hollow Heart plus Brown Center								Percent Internal Brown Spot						Percent Net Necrosis Vascular Discoloration						Blackspot Bruise <sup>1</sup>								
		CA	CO	ID	HRM	KF	DTX	STX	Entry Mean	CA	ID	HRM	KF	DTX	STX	Entry Mean	CA	ID	HRM	KF <sup>2</sup>	DTX	STX	Entry Mean	CA <sup>3</sup>	STX	DTX	CO	HRM <sup>1</sup>	KF	ID <sup>4</sup>
1	ATLANTIC	3	13	33	10	10	45	13	18	0	0	9	4	0	5	3	8	0	0	1	0	0	2	5.0	5.0	5.0	4.4	1.0	0.8	4.0
2	CHIPETA	0	0	8	1	7	5	0	3	3	0	0	8	0	0	2	0	0	8	0	0	18	4	3.0	5.0	5.0	4.9	2.0	2.5	3.1
3	A00188-3C	0	1	3	4	3	3	3	2	0	0	1	6	0	3	2	8	0	14	3	0	3	4	5.0	5.0	5.0	5.0	2.0	5.0	4.4
4	AC00206-2W	5	2	3	13	3	0	10	5	0	0	20	9	0	0	5	15	0	10	1	0	0	4	5.0	5.0	5.0	4.8	2.0	3.8	4.8
5	AC01151-5W	0	0	3	1	1	8	3	2	0	0	9	11	8	0	4	10	0	8	0	0	3	3	5.0	5.0	5.0	4.4	1.0	1.3	3.4
6	AC03433-1W	33	1	10	0	3	8	0	8	0	0	1	4	0	0	1	3	0	0	0	0	5	1	5.0	5.0	5.0	4.9	3.0	3.1	4.0
7	AC03452-2W	0	1	0	21	3	0	0	4	0	0	0	6	0	3	1	5	0	4	0	0	5	2	5.0	5.0	5.0	5.0	4.0	4.4	4.6
8	CO02024-9W	10	0	0	0	1	0	0	2	5	0	8	9	0	0	4	3	0	3	1	0	3	2	3.0	5.0	5.0	4.7	1.0	5.0	3.5
9	CO02033-1W	0	2	15	6	14	5	0	6	0	0	3	4	0	0	1	15	0	9	0	0	8	5	3.0	5.0	5.0	4.8	1.0	3.8	4.3
10	CO02321-4W	0	0	0	0	3	3	5	1	0	0	1	9	0	0	2	0	0	10	0	0	0	2	3.0	5.0	5.0	4.5	1.0	3.8	4.3
11	CO03243-3W	0	1	0	0	0	0	5	1	0	0	0	10	0	0	2	3	0	11	3	0	0	3	5.0	5.0	5.0	4.6	1.0	4.4	3.3
<b>Location Mean</b>		5	2	7	5	4	7	3	5	1	0	5	7	1	1	6	0	7	1	0	4	4.3	5.0	5.0	4.7	1.7	3.4	4.0		

<sup>1</sup> Score 1-5, with 1=severe, 5=none

<sup>2</sup> Klamath Falls, OR blackspot bruise scores include shatter, white knot and blackspot

<sup>3</sup> Percents were converted to a 1-5 score

<sup>4</sup> Aberdeen, ID blackspot scores from an abrasive peel test [1-5(none)]

TABLE 9: 2013 Western Regional Chipping Potato Variety Trial - CHIP COLOR

Clone	HRM <sup>1</sup> Field	STX <sup>1</sup> Field	DTX <sup>1</sup> Field	CO <sup>1</sup>				ID <sup>1</sup>			50 <sup>2</sup> Mean
				Chip 40		Chip 50		Chip 40		Chip 50	
				a	Recon <sup>b</sup>	c	Recon <sup>d</sup>	a	Recon <sup>b</sup>	c	
1 ATLANTIC	4.1	1.0	1.0	5.0	5.0	3.0	2.5	4.0	1.6	1.2	2.1
2 CHIPETA	4.0	2.0	1.0	5.0	5.0	2.5	3.0	4.2	1.1	1.2	1.9
3 A00188-3C	2.3	1.0	1.0	4.5	4.0	2.0	2.0	3.5	1.0	1.0	1.5
4 AC00206-2W	2.1	2.0	1.0	2.5	2.0	1.0	1.5	1.9	1.0	1.0	1.0
5 AC01151-5W	3.1	2.0	1.0	5.0	4.0	2.5	2.0	3.3	1.1	1.1	1.8
6 AC03433-1W	1.9	1.0	1.0	5.0	4.0	1.5	2.0	2.4	1.0	1.1	1.3
7 AC03452-2W	1.7	1.0	1.0	3.5	4.0	1.5	2.5	2.4	1.0	1.0	1.3
8 CO02024-9W	3.2	2.0	1.0	3.5	3.5	1.5	2.5	3.4	1.0	1.0	1.3
9 CO02033-1W	2.8	2.0	1.0	2.5	3.5	2.0	3.5	2.4	1.0	1.1	1.6
10 CO02321-4W	1.9	1.0	1.0	4.0	3.0	2.0	3.0	3.0	1.0	1.1	1.6
11 CO03243-3W	2.9	1.0	1.0	5.0	4.0	2.0	1.5	3.0	1.0	1.0	1.5
<b>Location Means</b>	<b>2.7</b>	<b>1.5</b>	<b>1.0</b>	<b>4.1</b>	<b>3.8</b>	<b>2.0</b>	<b>2.4</b>	<b>3.0</b>	<b>1.1</b>	<b>1.1</b>	

<sup>1</sup>Color using Snack Food Association Frycolor Standards (1-5 darkest)

<sup>a</sup>Stored 5 weeks (CO) and 8 weeks (ID) at 40°F

<sup>b</sup>Stored 5 weeks (CO) at 40°F plus 3 weeks at 60°F; stored 8 weeks (ID) at 40°F plus 2 weeks at 60°F

<sup>c</sup>Stored 5 weeks (CO) and 6 weeks (ID) at 50°F

<sup>d</sup>Stored 5 weeks at 50°F plus 3 weeks at 60°F

<sup>2</sup>Mean for CO and ID

Table 10. 2013 Western Regional Chipping Potato Variety Trial - SOLIDS, DEXTROSE, SUCROSE, PROTEIN, VITAMIN C, AND GLYCOALKALOIDS - ABERDEEN, IDAHO

Clone	Solids Oven Dry (%)	Sugars		Protein (%DWB)	Vitamin C (mg/100g FWB)	Glycoalkaloids (mg/100gFWB)
		Dextrose (%FWB)	Sucrose (%FWB)			
1 ATLANTIC	23.8	0.013	0.143	6.18	20.5	6.2
2 CHIPETA	20.6	0.027	0.172	6.23	18.5	5.0
3 A00188-3C	22.4	0.001	0.115	7.53	20.5	1.7
4 AC00206-2W	22.7	0.002	0.090	7.36	16.6	1.3
5 AC01151-5W	22.2	0.002	0.173	5.59	20.5	5.5
6 AC03433-1W	21.8	0.002	0.111	7.57	18.9	2.1
7 AC03452-2W	20.3	0.003	0.074	6.47	17.8	3.3
8 CO02024-9W	21.7	0.002	0.114	6.65	17.8	4.0
9 CO02033-1W	25.4	0.001	0.158	6.61	19.9	2.5
10 CO02321-4W	25.1	0.001	0.121	6.65	19.6	4.6
11 CO03243-3W	23.8	0.002	0.157	5.71	17.9	2.2
<b>Means</b>	<b>22.7</b>	<b>0.005</b>	<b>0.130</b>	<b>6.59</b>	<b>18.9</b>	<b>3.5</b>

FWB = fresh weight basis DWB = dry weight basis

Desirable levels of Dextrose are  $\leq 0.05\%$

Sucrose levels of  $\leq 0.15\%$  are excellent, 0.16-2.0% are good, and  $\geq 2.1\%$  are fair to poor

Glycoalkaloids: The 2012 Lenape check from Aberdeen was 32.0 mg/100g

TABLE 11: 2013 Western Regional Chipping Potato Variety Trial - DISEASE EVALUATIONS, METRIBUZIN REACTION

No. Clone	Vert. Wilt/ Early Dying				Early Blight				Common Scab		% Net Necrosis/ vascular discoloration <sup>1</sup>		Rhizoc.	Pecto- bacterium	Fusarium		Metr.
	AB <sup>1</sup>		HERM <sup>1</sup>	TULE <sup>1</sup>	AB <sup>1</sup>		% Serious Defect	% Serious Defect	AB <sup>1</sup>		% Serious Defect	% Serious Defect	KLAM <sup>2</sup> (1-5=none)	AB (0-5)	Dry Rot (0-5)		Reaction AB <sup>3</sup>
	(0-9)	AUDPC	(0-9)	(0-9)	Foliar				Incidence	Defect					Incidence	Defect	
					(0-9)	AUDPC	Incidence	Defect			Incidence	Defect					
1 ATLANTIC	7.2	316	8.0	6.5	7.0	399	7.6	0.0	64	45	23.9	21.4	3.4	1.9	3.1	1.1	S
2 CHIPETA	3.7	104	6.5	3.0	5.7	149	0.0	0.0	65	39	46.2	4.2	3.3	1.6	3.2	1.4	--
3 A00188-3C	7.7	384	2.0	4.5	8.0	677	0.0	0.0	24	6	85.9	26.5	3.6	3.4	1.9	1.0	MS
4 AC00206-2W	7.0	496	7.5	7.0	8.0	665	16.0	2.1	77	51	50.2	20.1	3.4	5.0	2.2	2.7	R
5 AC01151-5W	6.7	275	6.0	5.3	8.0	525	0.0	0.0	78	66	26.6	0.0	3.6	2.6	3.3	2.6	R
6 AC03433-1W	5.3	145	3.5	4.0	7.3	390	0.0	0.0	72	42	33.1	15.0	3.5	1.3	3.5	1.2	R
7 AC03452-2W	3.0	44	4.0	4.8	4.7	104	0.0	0.0	68	57	18.3	13.1	3.6	1.4	2.9	1.2	R
8 CO02024-9W	5.0	126	6.0	5.5	7.7	438	14.6	3.5	73	57	18.5	4.8	3.6	2.1	1.7	1.1	R
9 CO02033-1W	9.0	671	5.0	7.0	6.7	519	16.3	0.0	80	67	94.5	7.4	2.8	4.0	1.2	1.5	R
10 CO02321-4W	8.7	665	6.5	5.8	6.7	496	18.9	0.0	79	56	18.6	0.0	2.9	3.2	1.9	2.5	R
11 CO03243-3W	4.3	97	6.0	4.3	6.0	228	3.4	0.0	45	28	32.1	0.0	2.9	0.6	3.5	2.1	R
<b>MEANS</b>	<b>6.1</b>	<b>302</b>	<b>5.5</b>	<b>5.2</b>	<b>6.9</b>	<b>417.1</b>	<b>7.0</b>	<b>0.5</b>	<b>65.9</b>	<b>46.7</b>	<b>40.7</b>	<b>10.2</b>	<b>3.3</b>	<b>2.5</b>	<b>2.6</b>	<b>1.7</b>	
<b>LSD @ .05</b>	<b>1.4</b>				<b>1.6</b>		<b>14.0</b>	<b>6.0</b>	<b>28.0</b>	<b>22.0</b>	<b>19.0</b>	<b>23.0</b>		<b>ns</b>	<b>1.0</b>	<b>0.7</b>	

<sup>1</sup> Evaluations made at Aberdeen, Idaho by Jonathan Whitworth, Hermiston, Oregon by Laurie LaRoux, Tulelake by Darrin Culp; scale as indicated with highest number being most severe. For 0 to 9: 0=no symptoms; 1= trace; 2=1-5%; 3=5-10%; 4=10-20%; 5=25-40%; 6=40-60%; 7=60-70%; 8=75-90%; 9=90-100% dead or dying with typical disease symptoms.

Early Blight and Vert. Wilt AUDPC: Area Under the Disease Progress Curve based on foliar readings taken 106, 113, and 120 days after planting.

Common Scab, Net Necrosis, and Early Blight serious defects are the number of tubers with a 3 rating (0-5 scale) or higher, divided by the total number of tubers examined. Net necrosis data from PLRV-infected plots.

For 0 to 5: 0=0%/none; 5=100%/severe as a combination of tuber area and degree impacted by Fusarium and Pectobacterium inoculations.

<sup>2</sup> *Rhizoctonia solani* readings made by Brian Charlton, Klamath Falls, Oregon; scale as indicated with lowest number being most severe

<sup>3</sup> Metribuzin Reaction measured at Aberdeen, ID. VR=very resistant, R=Resistant, MR=Moderately resistant, MS=moderately susceptible, S=susceptible VS=very susceptible

TABLE 12: 2013 Western Regional Chipping Potato Variety Trial - MERIT SCORES (1-5(best))

No.	Clone	Fresh Merit					Process Merit				
		CO	ID	DTX	STX	Entry Mean	CA	CO	ID	HRM	Entry Mean
1	ATLANTIC	2.0	2.5	4.0	4.0	3.1	3.9	2.0	3.0	3.0	3.0
2	CHIPETA	4.0	3.0	2.0	3.1	3.0	3.8	2.0	3.0	2.5	2.8
3	A00188-3C	3.0	3.5	3.1	3.2	3.2	3.6	4.0	4.0	3.0	3.7
4	AC00206-2W	2.0	1.8	3.7	4.0	2.9	4.0	4.0	4.5	3.5	4.0
5	AC01151-5W	2.0	3.0	4.0	3.6	3.2	3.8	3.0	4.0	2.0	3.2
6	AC03433-1W	1.0	1.8	3.0	3.2	2.2	3.6	3.0	3.0	2.0	2.9
7	AC03452-2W	5.0	2.0	3.7	3.2	3.5	4.0	4.0	3.5	4.0	3.9
8	CO02024-9W	2.0	4.0	3.6	2.8	3.1	3.6	2.0	4.5	3.0	3.3
9	CO02033-1W	3.0	2.0	2.0	2.6	2.4	3.0	2.0	3.5	2.0	2.6
10	CO02321-4W	1.0	2.5	4.0	3.5	2.8	4.0	1.0	3.5	4.0	3.1
11	CO03243-3W	4.0	2.5	4.0	3.7	3.6	4.0	5.0	4.0	4.0	4.3
<b>Location Mean</b>		<b>2.6</b>	<b>2.6</b>	<b>3.4</b>	<b>3.4</b>		<b>3.8</b>	<b>2.9</b>	<b>3.7</b>	<b>3.0</b>	

TABLE 13: 2013 Western Regional Chipping Potato Variety Trial - SUMMARY

No.	Clone	Year in Trial	Total Yield <sup>1</sup> Rank	US#1's Yield <sup>1</sup> %	Tuber Size (oz)	Specific Gravity	Chip Color <sup>2</sup>	Merit Score
1	ATLANTIC	CK	425 4	333 79	6.0	1.089	2.1	3.0
2	CHIPETA	CK	395 8	321 82	7.2	1.079	1.9	2.8
3	A00188-3C	3	380 10	265 68	4.3	1.086	1.5	3.7
4	AC00206-2W	1	385 9	303 78	5.3	1.082	1.0	4.0
5	AC01151-5W	3	441 3	287 64	4.1	1.079	1.8	3.2
6	AC03433-1W	2	350 11	264 76	5.4	1.079	1.3	2.9
7	AC03452-2W	1	470 1	373 79	5.6	1.074	1.3	3.9
8	CO02024-9W	3	412 7	280 66	4.1	1.081	1.3	3.3
9	CO02033-1W	3	419 6	309 73	5.0	1.090	1.6	2.6
10	CO02321-4W	3	422 5	324 77	5.2	1.090	1.6	3.1
11	CO03243-3W	2	466 2	389 83	6.3	1.081	1.5	4.3

<sup>1</sup>(CWT/A)<sup>2</sup>Mean for CO and ID stored at 50°F

TABLE 14: 2013 Western Regional Chipping Potato Variety Trial - 3 Year Summary of Graduating Entries

Clone	2011					2012					2013				
	Total Yield <sup>1</sup>	US#1's Yield <sup>1</sup>	Specific Gravity	Chip Color <sup>2</sup>	Merit Score	Total Yield <sup>1</sup>	US#1's Yield <sup>1</sup>	Specific Gravity	Chip Color <sup>2</sup>	Merit Score	Total Yield <sup>1</sup>	US#1's Yield <sup>1</sup>	Specific Gravity	Chip Color <sup>2</sup>	Merit Score
	Rank	%				Rank	%				Rank	%			
ATLANTIC	437	318				412	327				425	333			
	7	74	1.090	2.3	2.6	9	79	1.090	2.4	3.0	4	79	1.089	2.1	3.0
CHIPETA	465	374				520	436				395	321			
	5	75	1.081	2.3	3.2	2	82	1.079	2.2	3.8	8	82	1.079	1.9	2.8
A00188-3C <sup>3</sup>	388	263				445	321				380	265			
	6	71	1.083	1.4	3.5	5	68	1.085	1.4	3.8	10	68	1.086	1.5	3.7
AC01151-5W	524	304				506	372				441	287			
	1	59	1.081	1.5	3.8	3	70	1.081	2.1	2.9	3	64	1.079	1.8	3.2
CO02024-9W	471	291				422	301				412	280			
	3	62	1.079	1.3	3.2	7	68	1.082	1.6	3.6	7	66	1.081	1.3	2.6
CO02033-1W	438	298				461	358				419	309			
	4	65	1.089	1.5	4.0	4	74	1.090	1.6	3.8	6	73	1.090	1.6	3.1
CO02321-4W	498	375				427	364				422	324			
	2	76	1.090	1.8	3.7	6	83	1.090	1.5	4.0	5	77	1.090	1.6	4.3
Trial Mean <sup>4</sup>		301					354					312			
	447	67	1.083	1.7	3.4	452	75	1.084	1.8	3.5	414	75	1.083	1.5	3.3

## 3 Year Average (2011-2013)

Clone	Total Yield <sup>1</sup>	US#1's			Merit Score	Noted Weaknesses	Noted Strengths
		Yield <sup>1</sup>	%	Specific Gravity			
ATLANTIC	425	358	80	1.089	2.2	2.9	
CHIPETA	460	412	82	1.080	2.1	3.3	
A00188-3C	404	314	71	1.085	1.5	3.6	Small tuber size (3/3)
AC01151-5W	490	321	64	1.080	1.8	3.3	Low % US #1s (2/3), small tuber size (3/3)
CO02024-9W	435	291	65	1.081	1.4	3.2	Small tuber size (2/3)
CO02033-1W	419	322	71	1.090	1.6	3.6	Shatter bruise (3/3)
CO02321-4W	449	354	79	1.090	1.6	4.0	
Mean <sup>5</sup>	438	322	72	1.083	1.7	3.4	Good chip color (3/3)

<sup>1</sup>(CWT/A)<sup>2</sup>Mean for CO and ID stored at 50°F<sup>3</sup>Data from 2010<sup>4</sup>Mean does not include A00188-3C because that data is from 2010<sup>5</sup>Mean includes all trial entries 2011-2013



## Comments and Information from States

Hermiston, Oregon		Sugar Ends <sup>1</sup>									
1	ATLANTIC	4.1									
2	CHIPETA	3.5									
3	A00188-3C	1.5									
4	AC00206-2W	1.4									
5	AC01151-5W	2.5									
6	AC03433-1W	1.5									
7	AC03452-2W	1.3									
8	CO02024-9W	2.8									
9	CO02033-1W	2.5									
10	CO02321-4W	2.6									
11	CO03243-3W	2.8									
Tulelake, California	Tuber/plant	Stem End Browning	Hard Bite (%)	Uniformity (1-5 good)	Eye Depth (1-5 shal.)	Snack Food Rating Oct. 15					
1	ATLANTIC	7.6	3	3	3.9	3.8	3				
2	CHIPETA	5.5	0	3	3.9	3.9	1				
3	A00188-3C	7.7	5	0	4.0	4.0	3				
4	AC00206-2W	6.7	0	0	4.0	4.1	1				
5	AC01151-5W	8.8	3	3	3.8	3.9	2				
6	AC03433-1W	6.7	3	3	3.8	4.0	1				
7	AC03452-2W	7.0	3	0	4.3	3.6	2				
8	CO02024-9W	10.2	5	0	3.6	4.0	3				
9	CO02033-1W	7.7	8	0	3.3	3.9	2				
10	CO02321-4W	8.2	3	5	4.0	4.0	2				
11	CO03243-3W	6.7	3	7	4.2	3.7	1				
Aberdeen, Idaho Comments <sup>4</sup>							Sugar Ends <sup>5</sup>	Vert wilt <sup>6</sup>	Tuber/plant	Early Blight <sup>6</sup>	Eye Depth (1-5 shal.)
1	ATLANTIC	deep ends, rough ATS					13.9	2.0	5.2	2.5	2.5
2	CHIPETA	big, deep eyes					16.7	2.1	5.5	2.5	2.3
3	A00188-3C	small, points, ATS					2.8	1.3	8.9	1.3	4.0
4	AC00206-2W	round, scaley buff, GC, shatter					0.0	1.6	6.1	1.8	3.8
5	AC01151-5W	round white, ATS, green, tear drops, flat					0.0	1.9	11.6	2.0	3.5
6	AC03433-1W	very ugly, deepends, growth cracks					0.0	2.6	5.5	2.8	3.3
7	AC03452-2W	deep ends, flat, round white					2.8	2.8	7.1	2.9	2.8
8	CO02024-9W	oval, flat, deepend, uniform size					5.6	2.3	8.6	2.5	3.5
9	CO02033-1W	oval, elongated, very flat, tear shaped					0.0	1.3	8.4	1.6	3.5
10	CO02321-4W	small, points, ATS					5.6	1.1	7.4	1.4	3.5
11	CO03243-3W	deepends, round scaley, ATS					0.0	2.0	6.4	2.5	3.3

<sup>1</sup>Scale 0-5<sup>2</sup>Evaluations made at Tulelake, CA by Rob Wilson. Vert wilt rating 0-9, 9=worst 90-100% plants showing symptoms<sup>3</sup>Rating 1-5, 5=dark<sup>4</sup>ATS=attached stolons, GC=growth crack<sup>5</sup>Sugar ends in percent<sup>6</sup>Early Blight and Vert wilt rating 1-5, 1=severe

**\*Hermiston, Oregon reported some frost damage during the growing season, followed by extreme heat. Yields were lower than average. Cooler failure during storage resulted in darker chips**

## Comments and Information from States

Klamath Falls, Oregon Comments <sup>1</sup>			Yield >20oz (CWT/A)	
1	ATLANTIC	uneven skin color, large, IB w/ Fusarian, fair, lumpy	18	
2	CHIPETA	Erratic size, rhizoc, ugly, lenticel scaring, blotchy skin, IB w/ Fusarian	82	
3	A00188-3C	Dingy russting, lenticel scaring, rhizoc, really nice, low IB	0	
4	AC00206-2W	Impact bruise, typy, black dot, shatter bruise, IB w/ fusarian	2	
5	AC01151-5W	smaller, bright color, impact bruise, okay, flat	0	
6	AC03433-1W	large, lenticel scaring, typy, low impact bruise, Folded bud ends	10	
7	AC03452-2W	folded bud ends, low impact bruise, skinning, lumpy, lenticel scaring	41	
8	CO02024-9W	flat, dingy, lenticel scaring, small, fair, small, smooth, drop	0	
9	CO02033-1W	flat, shatter bruise, fair, impact bruise, russetting, poor, drop	9	
10	CO02321-4W	Hard bite, smaller, CRS, Impact bruise w/ fusarian, Typy, shiny	18	
11	CO03243-3W	dingy, large, russetting, nice, low yield, growth crack, lenticel scaring, rhizoc	27	
Dalhart, Texas Comments <sup>2</sup>			Zebra Defect	Chip Notes <sup>1</sup>
1	ATLANTIC	sever hollow heart, very nice shape and size, Best Of Trial	0.0%	
2	CHIPETA	light set, ugly, bad rep, low yield	0.0%	3 GH1 CB1 CB
3	A00188-3C	nice shape, light set, low yield	0.0%	
4	AC00206-2W	nice shape and size, smooth	0.0%	1 GH1 CB
5	AC01151-5W	very small, heavy set, nice shape, Best Of Trial-, poor internals	0.0%	
6	AC03433-1W	rough, light set and yield	0.0%	1 GH1 CB
7	AC03452-2W	yield+, nice shape, nice size, feathering,	12.8%	3 CB
8	CO02024-9W	shape??, nice flesh, light set, small	0.0%	1 GH
9	CO02033-1W	too oblong, poor shape, flat, rough	0.0%	
10	CO02321-4W	Best Of Trial, yield+, nice flesh, smooth, nice shape and size	2.6%	1 GH, 1 SCAB
11	CO03243-3W	very nice shape	0.0%	1 CB
Springlake, Texas Comments			Zebra Defect	Chip Notes <sup>1</sup>
1	ATLANTIC	variable size, poor internals, hollow heart	2.6%	15 SE 3, 1GH, 1BS
2	CHIPETA	light set, nice shape, rough+, ugly, pear shaped, oversized, light set, stem attachment	0.0%	16 SE 2
3	A00188-3C	drop, small, light set	0.0%	3 SE 1
4	AC00206-2W	heavy set, Rhizoctonia, large tubers, hollow heart	0.0%	4 SE 2
5	AC01151-5W	nice, heavy set++, some rough, small+	0.0%	9 SE 1
6	AC03433-1W	large tubers, light russet, heavy set, light set, low yield	0.0%	5 SE 2
7	AC03452-2W	drop, knobs, deep nose, protruding navel, rough	0.0%	16 SE 2
8	CO02024-9W	heavy set, Best Of Trial-, light set+, Rhizoctonia, small+, heavy set+	2.5%	9 SE 2
9	CO02033-1W	drop, rough, ugly, poor shape, drop++	0.0%	
10	CO02321-4W	nice, Rhizoctonia+	0.0%	12 SE 2
11	CO03243-3W	large tuber, deep nose, Rhizoctonia, stem attachment, protruding navel	0.0%	3 SE 1

<sup>1</sup>IB=impact bruise (shatter, white-knot, thumbnail cracks, blackspot), CRS=corky ring spot

<sup>2</sup>SE=sugar ends, BS= blackspot bruise, GH=greenheads, CB=Center Browning

**\*Dalhart, Texas reported average precipitation June, July and August.  
Temperatures were slightly higher than average.**

**\*\*Springlake, Texas reported above average precipitation June, July and August.  
Temperatures were slightly higher than normal. There was a freeze May 3rd and 4th.**