

Table 3. SPUDPRO Candidate trial results including vegetative and yield data, Hancock 2012.

Entry	Market	Vegetative		Specific Gravity	Tuber Yield					Tuber Size Grading			Processing	
		Canopy (%) 6.30.11	Maturity		Total cwt/a	Cull %	B-size (< 1 ^{7/8} ") %	A-size cwt/a	A-size %	2-6 oz %	6-10 oz %	> 10 oz %	Hunter-L 10/2012	
LSD		11		0.006	59	3	3	59.0	4.6	12.2	8.7	10.2		
Snowden	chip	73	ML	1.074	607	2	3	578	95	33	38	24	55	
Atlantic	chip	70	ML	1.077	<u>541</u>	3	4	<u>507</u>	93	33	35	27	54	
W5955-1	chip	78	ML-	1.076	550	3	4	<u>516</u>	93	40	33	21	58	
W6483-5	chip	87	ML+	<u>1.058</u>	<u>526</u>	3	3	<u>494</u>	93	39	35	21	60	
W6609-3	chip	70	ML-	1.069	<u>459</u>	3	5	<u>427</u>	92	<u>63</u>	<u>26</u>	<u>5</u>	56	
W6822-3	chip	70	ML+	1.073	<u>513</u>	2	<u>8</u>	<u>466</u>	91	<u>54</u>	29	<u>8</u>	57	
Average-chip		75		1.071	<u>533</u>	3	4	<u>498</u>	93	44	32	18	57	

LSD		11		0.006	58.6	2.9	2.6	59.0	4.6	12.6	8.8	10.5		
D.R. Norland	red	81	E-	1.062	585	3	4	549	94	59	30	6		
W8370-2R	red	<u>64</u>	ME+	1.080	<u>439</u>	2	<u>10</u>	<u>386</u>	<u>88</u>	68	<u>21</u>	1		
W8886-3R	red	<u>51</u>	E-	1.069	565	3	5	525	93	51	33	9		
W8893-1R	red	<u>62</u>	E-	1.064	<u>499</u>	3	<u>8</u>	<u>451</u>	90	49	31	10		
W9726-4R	red	<u>56</u>	E-	1.070	<u>496</u>	4	4	<u>459</u>	92	45	38	10		
Average-red		<u>63</u>		1.069	<u>517</u>	3.1	6.2	<u>474.2</u>	91.4	54.2	30.6	7.4		

Photovolt 10/1/12														
LSD		10		0.006	58.6	2.9	2.5	59.0	4.6	11.2	8.5	9.4	stem	center
R. Burbank	proc	77	ML-	1.068	558	8.9	9.5	439	80.2	51.5	22.5	4.9	26	37
Norkotah-Sel8	fresh	<u>49</u>	ME	1.063	555	2	4	517	93	35	35	22.7		
W6234-4rus	proc	<u>59</u>	ML+	1.071	<u>474</u>	5	2	450	95	20	49	24.6	43	49
W8152-1rus	proc	<u>63</u>	ML+	1.079	519	2	3	493	95	24	44	26.4	48	43
W8516-1rus	fresh	<u>41</u>	ME	1.072	562	3	2	538	95	29	40	26.1		
W8722-1rus	rus	<u>30</u>	ML	1.067	<u>465</u>	2	2	439	95	24	38	33.0		
W8772-1rus	rus	<u>49</u>	ME+	1.071	<u>481</u>	3	7	437	91	29	43	17.0		
W9133-1rus	fresh	<u>49</u>	ME	<u>1.061</u>	509	2	4	473	93	26	41	25.6		
W9429-1rus	proc	<u>46</u>	ML	1.078	535	5	5	469	89	32	39	15.0	33	36
W9433-1rus	proc	<u>63</u>	ML-	1.077	647	5	3	583	91	17	29	45.8	23	26
Average-rus		<u>52</u>		1.071	530	4	4	484	92	29	38	24.1		

Table 4. SPUDPRO Candidate trial results including external tuber description and internal defects, Hancock 2012

Entry	Tuber External Traits										Tuber Internal Traits				
	Tuber Pref.	Shape (LxW)	Shape (cross-sec.)	Size	Size Unif	Lateral Eye Depth	Eyes: Stem & Bud	Skin-ning	Skin Finish	Scab	IBS %	BC + HH %	Stem End Discol %	Vasc. Discol %	Free Internal Defects %
LSD	0.3	0.61	0.69	0.7	0.7	0.6	0.5	0.5	0.9	ns	4.0	1.7	0.2	3.7	8
Snowden	2	3	6	7	7	6	5	9	4	9	1	3	0	4	92
Atlantic	2	3	7	7	7	6	5	9	4	9	<u>13</u>	1	0	4	<u>82</u>
W5955-1	2	2	8	7	8	8	6	9	4	9	2	0	0	4	94
W6483-5	2	3	7	7	8	7	5	8	5	9	2	1	0	3	95
W6609-3	2	3	8	<u>6</u>	8	8	7	9	5	9	1	1	0	5	92
W6822-3	2	2	8	<u>6</u>	7	6	5	9	4	9	5	1	0	4	89
Average-chip	2.0	2.7	7.3	6.8	7.4	6.9	5.5	8.8	4.4	8.9	3.9	1.1	0.1	4.0	90.5

LSD	0.3	0.6	0.7	0.7	0.7	0.6	0.5	0.5	0.9	ns	4.0	1.5	0.2	3.5	8
D.R. Norland	2	4	7	6	7	7	7	8	6	9	2	0	0	4	92
W8370-2R	2	3	<u>5</u>	<u>5</u>	7	8	7	9	7	9	1	0	0	3	96
W8886-3R	2	3	8	6	8	8	7	9	7	9	1	0	<u>0</u>	3	96
W8893-1R	1	3	7	6	7	8	7	8	8	9	1	1	0	3	95
W9726-4R	3	3	8	7	7	8	7	9	<u>4</u>	9	2	0	0	4	94
Average-red	2.1	3.3	7	6	7	8	7	9	6	9	1.3	0.3	0.2	3.5	95

LSD	0.3	0.6	0.7	0.7	0.7	0.6	0.4	0.5	0.8	ns	4.0	2.9	0.4	3.5	9
R. Burbank	3	7.6	7.1	5.5	5.2	7.3	8.0	8.9	4.0	9.0	10	18	1	5	66
Norkotah-Sel8	2	7.4	7.5	7.6	7.5	<u>6.6</u>	8.0	8.9	<u>3.1</u>	9.0	2	10	<u>2</u>	4	81
W6234-4rus	2	<u>6.7</u>	7.5	6.7	7.1	7.5	<u>7.4</u>	8.9	4.9	9.0	2	1	0	3	95
W8152-1rus	1	7.1	7.9	7.3	7.9	7.9	8.0	8.9	3.7	9.0	0	4	0	2	94
W8516-1rus	2	<u>6.6</u>	8.0	7.4	7.9	7.2	8.0	8.9	4.0	9.0	2	1	1	4	90
W8722-1rus	2	<u>6.2</u>	7.3	7.3	7.4	7.3	8.0	8.7	3.6	9.0	3	1	0	3	94
W8772-1rus	2	<u>6.5</u>	7.3	6.4	7.9	7.5	7.9	8.9	4.7	9.0	3	2	0	3	92
W9133-1rus	1	<u>6.4</u>	8.3	7.7	8.3	7.9	8.0	8.9	4.0	9.0	1	0	0	2	97
W9429-1rus	2	<u>6.2</u>	7.3	6.7	6.4	7.9	8.0	<u>8.0</u>	5.7	9.0	<u>30</u>	0	0	2	70
W9433-1rus	2	<u>6.9</u>	6.8	7.7	7.6	7.3	8.0	<u>7.8</u>	4.8	9.0	2	2	0	4	93
Average-rus	1.9	<u>6.8</u>	7.5	7.0	7.3	7.4	7.9	8.7	4.3	9.0	5.5	3.8	0.5	3.3	87.1

Table 4 (continued). SPUDPRO Candidate trial results including external tuber description and internal defects, Hancock 2012

Entry	Comments
Snowden	good size & unif.,dp eyes, yield
Atlantic	~dp eyes,~var. size & slight flat,otherwise excel.
W5955-1	nice,~dp eye, unif.,larger than W6609
W6483-5	dp apical eyes,unif. size & shape,sp.gr?
W6609-3	yield? Size med,excel.,unif.,shallow eye
W6822-3	~small,dp eyes,heavy net,med size
D.R. Norland	poor color,Salt & Pepper,~dp eyes,gd skin & set
W8370-2R	lt color,~flat,small,smooth,skin+
W8886-3R	dark color+,round & unif.,very smooth
W8893-1R	~var. size & slight flat,excel. color,unif. skin & eyes++
W9726-4R	excel. color, shape unif.,round,netting!~growth cracks
R. Burbank	var. shape! & small,ptd stem,bottleneck,growth cracks
Norkotah-Sel8	excel. yld,~dp eyes,w/large~hvy net,med-dark rus
W6234-4rus	~med size,~ptd stem ends,lt rus
W8152-1rus	excel.,blocky,med/dark~crack on apical,~full+
W8516-1rus	med rus, excel. blocky type
W8722-1rus	~med/dark rus,growth cracks,full shape,nice
W8772-1rus	very unif.,med/dark rus,good type
W9133-1rus	med/heavy net,+blocky, yield?
W9429-1rus	skin cracking-apical,long white,~lenticels
W9433-1rus	~rgh for fresh, ~blocky,good size ,~skins, process?