

heart, second growth, blackspot bruise, and shatter bruise.

Yield Potential: High (avg. 501 cwt/acre) and a high percentage of US No. 1 tubers (89%)

Specific Gravity: High (avg. 1.089)

Variable		# Trials	Mean	Range
Total Yield (Cwt/A)		7	501	454-559
Yield US #1 (Cwt/A)		7	447	384-517
% US #1		7	89	85-93
Yield >10 oz (Cwt/A)		7	233	159-299
Yield <4 oz (Cwt/A)		7	37	22-58
% External Defects <sup>1</sup>		7	3.6	0.7-8.9
% Hollow Heart <sup>2</sup>		7	0.7	0.0-2.9
% Stand		7	99	95-100
Emergence Uniformity		7	3.2	3.0-4.0
Vine Vigor <sup>3</sup>		7	3.3	2.8-3.8
Stems/Plant		7	3.9	2.5-5.2
Vine Size <sup>4</sup>		7	4.0	3.8-4.3
Vine Type <sup>5</sup>		7	3.1	2.8 3.8
Vine Maturity <sup>6</sup>		7	3.3	3.0-4.0
Blackspot <sup>7</sup>	Bud End	. 8	4.8	4.3-5.0
	Stem End		4.3 4.5	2.8-5.0
Weight Loss <sup>8</sup>	Average	8	2.7	1.2-7.6
Dormancy <sup>9</sup>		8	84	54-132
Enzymatic Browning <sup>10</sup>		8	4.0	3.2-4.6
Specific Gravity		8	1.089	1.077-1.096
Fry Color <sup>11</sup>	Harvest Storage	8	1.0 1.9	0.0-2.0 1.0-3.0
Fry Texture <sup>12</sup>	Harvest Storage	8	3.4 3.3	3.0-4.0 2.0-4.0

Detailed data summary for Crestone Russet.

Refer to footnotes on next page.

## Footnotes for Table on previous page:

<sup>1</sup>Percent external defects based on the proportion of the total sample weight with significant defects.

<sup>2</sup>Percent hollow heart calculated as follows: (Weight of tubers >10 ounces with defects/total sample weight) x 100.

<sup>3</sup>Vine vigor is rated on a 1 to 5 scale, with 5 indicating very vigorous vines.

<sup>4</sup>Vine size is rated on a 1 to 5 scale, with 5 indicating very large vines.

<sup>5</sup>Vine type is rated on a 1 to 5 scale, with 5 indicating very upright vines.

<sup>6</sup>Vine maturity is rated on the following basis: 1=very early; 2=early; 3=medium; 4=late; and 5=very late.

<sup>7</sup>Blackspot was rated on a 1 to 5 scale, with 5 indicating no discoloration.

<sup>8</sup>Tubers were stored at 45F for approximately 3 months.

<sup>9</sup>Days from harvest to first visible growth. Tubers were stored at 45F.

<sup>10</sup>Degree of darkening rated at 60 minutes after slicing tubers lengthwise. Rated on a 1 to 5 scale, with 5 indicating no discoloration.

<sup>11</sup>Chip color was rated using the Snack Food Association 1-5 scale. Ratings of  $\leq 2.0$  are acceptable. Reconditioned samples were stored at 60F for three weeks. Fry color was rated on a 0 to 4 scale, with 0 being the lightest or best color. Color ratings of  $\leq 2.0$  are acceptable.

<sup>12</sup>Fry texture was rated on a 1 to 5 scale, with 5 indicating the cooked flesh was dry and mealy and 1 representing a soggy, wet texture.