

Colorado Advanced Potato Selections Data Summary

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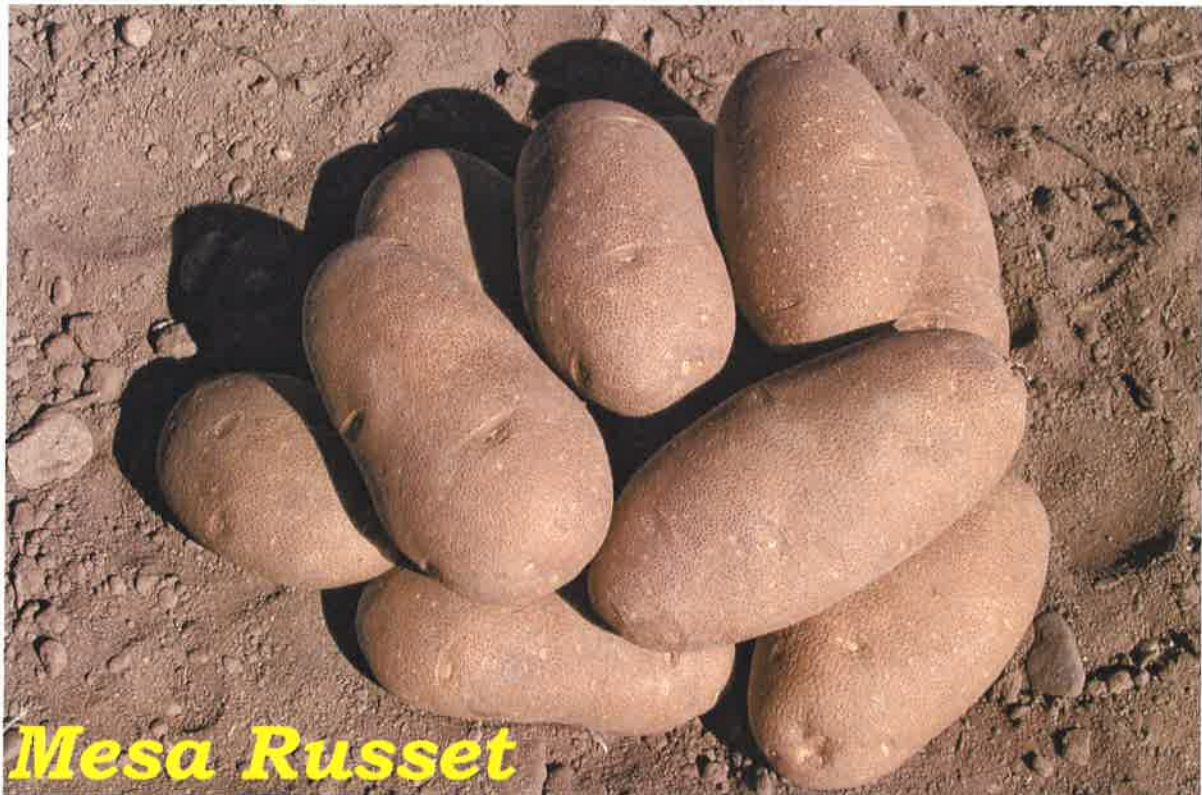


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Table 1. Summary comparison of advanced selections and named cultivars for yield, grade, maturity, specific gravity, and grade defects.

| Clone | Usage ¹ | # Trials | Total Yield (Cwt/A) | % US #1 | Vine Maturity ² | Specific Gravity | % External Defects ³ | % Hollow Heart ⁴ |
|--------------------|--------------------|----------|---------------------|---------|----------------------------|------------------|---------------------------------|-----------------------------|
| Russets | | | | | | | | |
| CO95172-3RU | FM | 9 | 500 | 79 | 3.2 | 1.088 | 1.0 | 0.5 |
| AC96052-1RU | Dual | 8 | 441 | 86 | 3.2 | 1.088 | 0.8 | 0.2 |
| CO97087-2RU | Dual | 7 | 433 | 85 | 3.0 | 1.095 | 1.7 | 0.3 |
| CO98067-7RU | Dual | 6 | 476 | 84 | 2.5 | 1.077 | 0.8 | 0.0 |
| CO98368-2RU | FM | 6 | 405 | 70 | 2.3 | 1.084 | 0.9 | 0.0 |
| AC99375-1RU | Dual | 5 | 512 | 82 | 3.1 | 1.099 | 1.7 | 0.0 |
| CO99053-3RU | Dual | 5 | 516 | 90 | 3.5 | 1.088 | 2.5 | 0.7 |
| CO99053-4RU | Dual | 5 | 362 | 84 | 2.1 | 1.084 | 1.4 | 0.0 |
| CO99100-1RU | Dual | 5 | 373 | 83 | 1.4 | 1.084 | 4.6 | 0.1 |
| Canela Russet | FM | 11 | 386 | 90 | 3.1 | 1.096 | 1.3 | 0.1 |
| Centennial Russet | FM | 35 | 294 | 77 | 3.0 | 1.080 | 0.8 | 0.3 |
| Mesa Russet | Dual | 10 | 419 | 86 | 2.9 | 1.082 | 1.8 | 2.5 |
| Rio Grande Russet | FM | 22 | 533 | 80 | 3.0 | 1.086 | 2.8 | 0.4 |
| Russet Norkotah | FM | 78 | 385 | 84 | 1.8 | 1.078 | 2.2 | 0.4 |
| Russet Nugget | Dual | 64 | 441 | 81 | 3.8 | 1.093 | 1.5 | 0.2 |
| Reds | | | | | | | | |
| CO98012-5R | FM | 6 | 466 | 77 | 3.0 | 1.079 | 0.7 | 0.3 |
| CO99076-6R | FM | 5 | 402 | 76 | 1.5 | 1.087 | 2.2 | 0.0 |
| CO99256-2R | FM | 5 | 512 | 65 | 2.9 | 1.087 | 0.4 | 0.1 |
| CO00277-2R | FM | 4 | 419 | 76 | 1.6 | 1.079 | 0.9 | 0.5 |
| CO00291-5R | FM | 4 | 384 | 79 | 3.4 | 1.082 | 0.5 | 0.0 |
| Colorado Rose | FM | 14 | 517 | 85 | 2.7 | 1.082 | 2.7 | 0.3 |
| Rio Colorado | FM | 11 | 405 | 56 | 1.7 | 1.087 | 0.9 | 0.0 |
| Sangre-S10 | FM | 24 | 542 | 88 | 3.3 | 1.075 | 1.8 | 1.7 |
| Specialties | | | | | | | | |
| AC97521-1R/Y | Spec | 7 | 578 | 78 | 2.9 | 1.090 | 0.8 | 1.2 |

Table 1 continued on next page.

Table 1 (cont'd). Summary comparison of advanced selections and named cultivars for yield, grade, maturity, specific gravity, and grade defects.

| Clone | Usage ¹ | # Trials | Total Yield (Cwt/A) | % US #1 | Vine Maturity ² | Specific Gravity | % External Defects ³ | % Hollow Heart ⁴ |
|-----------------|--------------------|----------|---------------------|---------|----------------------------|------------------|---------------------------------|-----------------------------|
| CO97226-2R/R | Spec | 7 | 364 | 34 | 2.3 | 1.081 | 0.2 | 0.0 |
| CO97232-1R/Y | Spec | 7 | 420 | 67 | 2.0 | 1.081 | 0.8 | 0.0 |
| CO97232-2R/Y | Spec | 7 | 440 | 84 | 2.6 | 1.070 | 0.8 | 1.0 |
| CO97233-3R/Y | Spec | 7 | 477 | 73 | 3.3 | 1.082 | 4.0 | 2.3 |
| CO97222-1R/R | Spec | 6 | 394 | 55 | 2.4 | 1.076 | 1.5 | 0.0 |
| CO97227-2P/PW | Spec | 6 | 483 | 24 | 2.8 | 1.087 | 1.0 | 0.0 |
| AC99329-7PW/Y | Spec | 5 | 537 | 76 | 3.0 | 1.090 | 1.6 | 0.4 |
| AC99330-1P/Y | Spec | 5 | 503 | 53 | 2.8 | 1.083 | 0.0 | 0.2 |
| CO99045-1W/Y | Spec | 5 | 556 | 78 | 3.2 | 1.088 | 2.9 | 0.0 |
| ATC00293-1W/Y | Spec | 4 | 577 | 84 | 3.0 | 1.082 | 4.5 | 3.1 |
| CO00405-1R | Spec | 4 | 262 | | 1.3 | 1.081 | 2.8 | 0.0 |
| CO00412-5W/Y | Spec | 4 | 489 | 72 | 2.8 | 1.088 | 2.7 | 0.9 |
| CO00415-1R | Spec | 4 | 357 | | 1.3 | 1.076 | 4.3 | 0.0 |
| Mountain Rose | Spec | 8 | 383 | 68 | 2.2 | 1.081 | 1.1 | 0.0 |
| Purple Majesty | Spec | 12 | 496 | 58 | 2.1 | 1.083 | 0.6 | 1.3 |
| Yukon Gold | Spec | 22 | 413 | 89 | 1.8 | 1.085 | 1.6 | 0.6 |
| <i>Chippers</i> | | | | | | | | |
| CO95051-7W | Chip | 8 | 413 | 86 | 3.3 | 1.098 | 1.0 | 0.4 |
| CO96141-4W | Chip | 8 | 416 | 87 | 2.6 | 1.087 | 1.1 | 0.0 |
| CO97043-14W | Chip | 7 | 431 | 81 | 2.9 | 1.088 | 1.4 | 0.3 |
| CO97065-7W | Chip | 7 | 424 | 83 | 2.6 | 1.098 | 0.9 | 0.2 |
| CO00188-4W | Chip | 4 | 446 | 74 | 2.6 | 1.090 | 1.1 | 0.1 |
| CO00197-3W | Chip | 4 | 481 | 72 | 2.3 | 1.088 | 0.8 | 1.0 |
| CO00270-7W | Chip | 4 | 429 | 83 | 2.6 | 1.087 | 1.1 | 0.0 |

Table 1 continued on next page.

Table 1 (cont'd). Summary comparison of advanced selections and named cultivars for yield, grade, maturity, specific gravity, and grade defects.

| Clone | Usage ¹ | # Trials | Total Yield (Cwt/A) | % US #1 | Vine Maturity ² | Specific Gravity | % External Defects ³ | % Hollow Heart ⁴ |
|----------|--------------------|----------|---------------------|---------|----------------------------|------------------|---------------------------------|-----------------------------|
| Atlantic | Chip | 36 | 460 | 86 | 3.2 | 1.097 | 2.6 | 5.0 |
| Chipeta | Chip | 34 | 541 | 84 | 3.3 | 1.089 | 5.1 | 0.5 |

¹FM=fresh market; Dual= fresh market and processing potential; SPEC=specialty.

²Vine maturity: 1=very early; 2=early; 3=medium; 4=late; 5=very late.

³Includes defects such as second growth, growth crack, misshapen, and green.

⁴Based on tubers greater than 10 ounces.

Table 2. Detailed data summary for CO95172-3RU.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 9 | 500 | 415-547 | |
| Yield US #1 (Cwt/A) | 9 | 396 | 327-450 | |
| % US #1 | 9 | 79 | 69-84 | |
| Yield >10 oz (Cwt/A) | 9 | 89 | 42-138 | |
| Yield <4 oz (Cwt/A) | 9 | 99 | 69-160 | |
| % External Defects ¹ | 9 | 1.0 | 0.2-2.2 | |
| % Hollow Heart ² | 9 | 0.5 | 0.0-2.1 | |
| % Stand | 9 | 98 | 94-100 | |
| Emergence Uniformity | 9 | 3.3 | 2.8-3.8 | |
| Vine Vigor ³ | 9 | 3.1 | 2.5-3.8 | |
| Stems/Plant | 9 | 3.2 | 2.3-4.2 | |
| Vine Size ⁴ | 9 | 3.8 | 3.5-4.0 | |
| Vine Maturity ⁵ | 9 | 3.2 | 3.0-3.5 | |
| Blackspot ⁶ | Bud End | 9 | 4.5 | 3.9-5.0 |
| | Stem End | 9 | 4.2 | 3.5-5.0 |
| | Average | 9 | 4.4 | |
| Weight Loss ⁷ | 9 | 3.5 | 1.1-6.2 | |
| Dormancy ⁸ | 9 | 85 | 76-101 | |
| Enzymatic Browning ⁹ | 9 | 3.4 | 2.4-4.2 | |
| Specific Gravity | 9 | 1.089 | 1.075-1.096 | |
| Fry Color ¹⁰ | Harvest | 9 | 2.1 | 1.0-4.0 |
| | Storage | 9 | 1.9 | 1.0-4.0 |
| Fry Texture ¹¹ | Harvest | 9 | 3.0 | 1.0-4.0 |
| | Storage | 9 | 3.1 | 1.0-4.0 |

Refer to footnotes on page 52.

Table 3. Detailed data summary for AC96052-1RU.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 8 | 441 | 355-530 | |
| Yield US #1 (Cwt/A) | 8 | 377 | 276-457 | |
| % US #1 | 8 | 86 | 78-92 | |
| Yield >10 oz (Cwt/A) | 8 | 84 | 23-117 | |
| Yield <4 oz (Cwt/A) | 8 | 60 | 30-100 | |
| % External Defects ¹ | 8 | 0.8 | 0.1-1.9 | |
| % Hollow Heart ² | 8 | 0.2 | 0.0-0.7 | |
| % Stand | 8 | 94 | 68-99 | |
| Emergence Uniformity | 8 | 2.7 | 1.5-3.5 | |
| Vine Vigor ³ | 8 | 2.9 | 2.0-3.3 | |
| Stems/Plant | 8 | 2.9 | 2.3-3.9 | |
| Vine Size ⁴ | 8 | 3.9 | 3.8-4.5 | |
| Vine Maturity ⁵ | 8 | 3.2 | 2.8-3.8 | |
| Blackspot ⁶ | Bud End | 8 | 4.0 | 2.7-4.8 |
| | Stem End | 8 | 2.9 | 1.4-3.8 |
| | Average | 8 | 3.4 | |
| Weight Loss ⁷ | 8 | 2.5 | 1.0-4.9 | |
| Dormancy ⁸ | 8 | 84 | 70-104 | |
| Enzymatic Browning ⁹ | 8 | 3.8 | 3.2-4.2 | |
| Specific Gravity | 8 | 1.091 | 1.080-1.096 | |
| Fry Color ¹⁰ | Harvest | 8 | 0.3 | 0.0-1.0 |
| | Storage | 8 | 0.9 | 0.0-2.0 |
| Fry Texture ¹¹ | Harvest | 8 | 3.6 | 2.0-5.0 |
| | Storage | 8 | 3.5 | 3.0-4.0 |

Refer to footnotes on page 52.

Table 4. Detailed data summary for CO97087-2RU.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 7 | 433 | 404-455 | |
| Yield US #1 (Cwt/A) | 7 | 367 | 334-390 | |
| % US #1 | 7 | 85 | 81-88 | |
| Yield >10 oz (Cwt/A) | 7 | 85 | 62-149 | |
| Yield <4 oz (Cwt/A) | 7 | 59 | 43-83 | |
| % External Defects ¹ | 7 | 1.7 | 0.4-2.6 | |
| % Hollow Heart ² | 7 | 0.3 | 0.0-1.2 | |
| % Stand | 7 | 98 | 97-99 | |
| Emergence Uniformity | 7 | 3.3 | 3.0-3.8 | |
| Vine Vigor ³ | 7 | 3.6 | 3.0-4.0 | |
| Stems/Plant | 7 | 3.8 | 3.1-5.4 | |
| Vine Size ⁴ | 7 | 3.5 | 3.3-4.0 | |
| Vine Maturity ⁵ | 7 | 3.0 | 2.8-3.0 | |
| Blackspot ⁶ | Bud End | 7 | 4.6 | 3.9-5.0 |
| | Stem End | 7 | 4.1 | 2.9-5.0 |
| | Average | 7 | 4.4 | |
| Weight Loss ⁷ | 7 | 2.8 | 1.1-5.8 | |
| Dormancy ⁸ | 7 | 94 | 76-111 | |
| Enzymatic Browning ⁹ | 7 | 4.0 | 3.8-4.4 | |
| Specific Gravity | 7 | 1.096 | 1.089-1.102 | |
| Fry Color ¹⁰ | Harvest | 7 | 0.3 | 0.0-1.0 |
| | Storage | 7 | 0.7 | 0.0-2.0 |
| Fry Texture ¹¹ | Harvest | 7 | 3.4 | 2.0-4.0 |
| | Storage | 7 | 3.9 | 3.0-5.0 |

Refer to footnotes on page 52.

Table 5. Detailed data summary for CO98067-7RU.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 6 | 476 | 403-560 | |
| Yield US #1 (Cwt/A) | 6 | 402 | 337-500 | |
| % US #1 | 6 | 84 | 73-89 | |
| Yield >10 oz (Cwt/A) | 6 | 81 | 51-104 | |
| Yield <4 oz (Cwt/A) | 6 | 71 | 41-127 | |
| % External Defects ¹ | 6 | 0.8 | 0.1-1.6 | |
| % Hollow Heart ² | 6 | 0.0 | 0.0-0.0 | |
| % Stand | 6 | 98 | 95-100 | |
| Emergence Uniformity | 6 | 3.3 | 3.0-3.8 | |
| Vine Vigor ³ | 6 | 3.3 | 2.8-4.0 | |
| Stems/Plant | 6 | 3.4 | 2.0-4.4 | |
| Vine Size ⁴ | 6 | 3.3 | 3.0-4.0 | |
| Vine Maturity ⁵ | 6 | 2.5 | 2.0-3.0 | |
| Blackspot ⁶ | Bud End | 6 | 5.0 | 4.9 5.0 |
| | Stem End | 6 | 4.9 | 4.5 5.0 |
| | Average | 6 | 4.9 | |
| Weight Loss ⁷ | 6 | 3.4 | 1.4-4.9 | |
| Dormancy ⁸ | 6 | 71 | 56-87 | |
| Enzymatic Browning ⁹ | 6 | 4.4 | 4.0 4.8 | |
| Specific Gravity | 6 | 1.078 | 1.075-1.080 | |
| Fry Color ¹⁰ | Harvest | 6 | 1.0 | 0.0-2.0 |
| | Storage | 6 | 2.0 | 1.0 3.0 |
| Fry Texture ¹¹ | Harvest | 6 | 3.3 | 3.0-4.0 |
| | Storage | 6 | 3.2 | 3.0-4.0 |

Refer to footnotes on page 52.

Table 6. Detailed data summary for CO98368-2RU.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 6 | 405 | 351-426 | |
| Yield US #1 (Cwt/A) | 6 | 283 | 212-335 | |
| % US #1 | 6 | 70 | 52-83 | |
| Yield >10 oz (Cwt/A) | 6 | 44 | 10-82 | |
| Yield <4 oz (Cwt/A) | 6 | 119 | 63-196 | |
| % External Defects ¹ | 6 | 0.9 | 0.2-1.8 | |
| % Hollow Heart ² | 6 | 0.0 | 0.0-0.0 | |
| % Stand | 6 | 96 | 88-99 | |
| Emergence Uniformity | 6 | 3.1 | 2.5-3.8 | |
| Vine Vigor ³ | 6 | 3.3 | 3.0-4.0 | |
| Stems/Plant | 6 | 3.8 | 2.7-5.0 | |
| Vine Size ⁴ | 6 | 3.0 | 2.8-3.0 | |
| Vine Maturity ⁵ | 6 | 2.3 | 1.8-2.5 | |
| Blackspot ⁶ | Bud End | 6 | 4.5 | 3.6-5.0 |
| | Stem End | 6 | 4.3 | 3.6-5.0 |
| | Average | 6 | 4.4 | |
| Weight Loss ⁷ | 6 | 2.7 | 1.2-3.3 | |
| Dormancy ⁸ | 6 | 108 | 90-146 | |
| Enzymatic Browning ⁹ | 6 | 4.3 | 3.8-4.8 | |
| Specific Gravity | 6 | 1.084 | 1.071-1.087 | |
| Fry Color ¹⁰ | Harvest | 6 | 1.5 | 1.0-2.0 |
| | Storage | 6 | 2.7 | 2.0-4.0 |
| Fry Texture ¹¹ | Harvest | 6 | 3.7 | 3.0-4.0 |
| | Storage | 6 | 3.5 | 3.0-5.0 |

Refer to footnotes on page 52.

Table 7. Detailed data summary for AC99375-1RU.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 5 | 512 | 451-545 | |
| Yield US #1 (Cwt/A) | 5 | 420 | 404-457 | |
| % US #1 | 5 | 82 | 77-91 | |
| Yield >10 oz (Cwt/A) | 5 | 106 | 74-148 | |
| Yield <4 oz (Cwt/A) | 5 | 83 | 32-118 | |
| % External Defects ¹ | 5 | 1.7 | 0.6-2.3 | |
| % Hollow Heart ² | 5 | 0.0 | 0.0-0.0 | |
| % Stand | 5 | 97 | 94-100 | |
| Emergence Uniformity | 5 | 3.2 | 2.8-3.8 | |
| Vine Vigor ³ | 5 | 3.6 | 2.5-4.0 | |
| Stems/Plant | 5 | 3.8 | 2.1-6.3 | |
| Vine Size ⁴ | 5 | 4.2 | 3.0-5.0 | |
| Vine Maturity ⁵ | 5 | 3.1 | 3.0-3.5 | |
| Blackspot ⁶ | Bud End | 5 | 4.8 | 4.4-5.0 |
| | Stem End | 5 | 4.4 | 3.7-4.8 |
| | Average | 5 | 4.6 | |
| Weight Loss ⁷ | 5 | 2.3 | 1.4-2.8 | |
| Dormancy ⁸ | 5 | 100 | 84-132 | |
| Enzymatic Browning ⁹ | 5 | 2.9 | 1.8-4.0 | |
| Specific Gravity | 5 | 1.099 | 1.095-1.101 | |
| Fry Color ¹⁰ | Harvest | 5 | 0.8 | 0.0-1.0 |
| | Storage | 5 | 1.2 | 1.0-2.0 |
| Fry Texture ¹¹ | Harvest | 5 | 3.6 | 3.0-4.0 |
| | Storage | 5 | 3.6 | 3.0-4.0 |

Refer to footnotes on page 52.

Table 8. Detailed data summary for CO99053-3RU.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 5 | 516 | 456-559 | |
| Yield US #1 (Cwt/A) | 5 | 463 | 415-517 | |
| % US #1 | 5 | 90 | 88-93 | |
| Yield >10 oz (Cwt/A) | 5 | 217 | 159-259 | |
| Yield <4 oz (Cwt/A) | 5 | 40 | 22-58 | |
| % External Defects ¹ | 5 | 2.5 | 0.7-4.2 | |
| % Hollow Heart ² | 5 | 0.7 | 0.0-2.9 | |
| % Stand | 5 | 98 | 95-100 | |
| Emergence Uniformity | 5 | 3.1 | 3.0-3.3 | |
| Vine Vigor ³ | 5 | 3.4 | 3.0-3.8 | |
| Stems/Plant | 5 | 4.0 | 2.5-5.2 | |
| Vine Size ⁴ | 5 | 4.1 | 4.0-4.3 | |
| Vine Maturity ⁵ | 5 | 3.5 | 3.0-4.0 | |
| Blackspot ⁶ | Bud End | 5 | 4.8 | 4.6-5.0 |
| | Stem End | 5 | 4.4 | 3.7-4.9 |
| | Average | 5 | 4.6 | |
| Weight Loss ⁷ | 5 | 2.0 | 1.2-2.5 | |
| Dormancy ⁸ | 5 | 94 | 84-132 | |
| Enzymatic Browning ⁹ | 5 | 4.0 | 3.2-4.4 | |
| Specific Gravity | 5 | 1.089 | 1.077-1.096 | |
| Fry Color ¹⁰ | Harvest | 5 | 0.8 | 0.0-1.0 |
| | Storage | 5 | 1.8 | 1.0-2.0 |
| Fry Texture ¹¹ | Harvest | 5 | 3.2 | 3.0-4.0 |
| | Storage | 5 | 3.2 | 2.0-4.0 |

Refer to footnotes on page 52.

Table 9. Detailed data summary for CO99053-4RU.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 5 | 362 | 320-403 | |
| Yield US #1 (Cwt/A) | 5 | 302 | 269-325 | |
| % US #1 | 5 | 84 | 78-91 | |
| Yield >10 oz (Cwt/A) | 5 | 77 | 60-93 | |
| Yield <4 oz (Cwt/A) | 5 | 54 | 30-80 | |
| % External Defects ¹ | 5 | 1.4 | 0.0-3.4 | |
| % Hollow Heart ² | 5 | 0.0 | 0.0-0.0 | |
| % Stand | 5 | 98 | 96-100 | |
| Emergence Uniformity | 5 | 3.2 | 3.0-3.3 | |
| Vine Vigor ³ | 5 | 2.9 | 2.5-3.0 | |
| Stems/Plant | 5 | 4.0 | 3.1-4.6 | |
| Vine Size ⁴ | 5 | 2.9 | 2.5-3.3 | |
| Vine Maturity ⁵ | 5 | 2.1 | 1.3-2.8 | |
| Blackspot ⁶ | Bud End | 5 | 4.8 | 4.4-5.0 |
| | Stem End | 5 | 4.6 | 4.2-5.0 |
| | Average | 5 | 4.7 | |
| Weight Loss ⁷ | 5 | 2.7 | 1.5-3.5 | |
| Dormancy ⁸ | 5 | 75 | 62-87 | |
| Enzymatic Browning ⁹ | 5 | 4.5 | 4.4-4.6 | |
| Specific Gravity | 5 | 1.084 | 1.083-1.087 | |
| Fry Color ¹⁰ | Harvest | 5 | 0.8 | 0.0-1.0 |
| | Storage | 5 | 1.8 | 1.0-3.0 |
| Fry Texture ¹¹ | Harvest | 5 | 3.4 | 2.0-4.0 |
| | Storage | 5 | 3.2 | 2.0-4.0 |

Refer to footnotes on page 52.

Table 10. Detailed data summary for CO99100-1RU.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 5 | 373 | 338-409 | |
| Yield US #1 (Cwt/A) | 5 | 312 | 272-377 | |
| % US #1 | 5 | 83 | 76-92 | |
| Yield >10 oz (Cwt/A) | 5 | 76 | 48-121 | |
| Yield <4 oz (Cwt/A) | 5 | 45 | 29-82 | |
| % External Defects ¹ | 5 | 4.6 | 0.0-9.1 | |
| % Hollow Heart ² | 5 | 0.1 | 0.0-0.5 | |
| % Stand | 5 | 99 | 98-100 | |
| Emergence Uniformity | 5 | 3.2 | 3.0-3.5 | |
| Vine Vigor ³ | 5 | 3.6 | 3.0-4.0 | |
| Stems/Plant | 5 | 3.4 | 2.8-4.2 | |
| Vine Size ⁴ | 5 | 2.4 | 2.3-2.5 | |
| Vine Maturity ⁵ | 5 | 1.4 | 1.0-2.0 | |
| Blackspot ⁶ | Bud End | 5 | 4.6 | 4.1-5.0 |
| | Stem End | 5 | 4.8 | 4.5-5.0 |
| | Average | 5 | 4.7 | |
| Weight Loss ⁷ | 5 | 3.2 | 1.4-4.3 | |
| Dormancy ⁸ | 5 | 65 | 56-77 | |
| Enzymatic Browning ⁹ | 5 | 3.7 | 3.4-4.0 | |
| Specific Gravity | 5 | 1.083 | 1.078-1.087 | |
| Fry Color ¹⁰ | Harvest | 5 | 0.2 | 0.0-1.0 |
| | Storage | 5 | 1.6 | 1.0-2.0 |
| Fry Texture ¹¹ | Harvest | 5 | 2.8 | 2.0-3.0 |
| | Storage | 5 | 3.0 | 3.0-3.0 |

Refer to footnotes on page 52.

Table 11. Detailed data summary for Canela Russet.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 11 | 386 | 332-468 | |
| Yield US #1 (Cwt/A) | 11 | 347 | 290-421 | |
| % US #1 | 11 | 90 | 86-94 | |
| Yield >10 oz (Cwt/A) | 11 | 105 | 63-156 | |
| Yield <4 oz (Cwt/A) | 11 | 35 | 20-49 | |
| % External Defects ¹ | 11 | 1.3 | 0.0-2.4 | |
| % Hollow Heart ² | 11 | 0.1 | 0.0-0.9 | |
| % Stand | 11 | 97 | 88-99 | |
| Emergence Uniformity | 11 | 3.1 | 2.5-3.5 | |
| Vine Vigor ³ | 11 | 2.5 | 2.0-3.0 | |
| Stems/Plant | 11 | 1.9 | 1.4-2.6 | |
| Vine Size ⁴ | 11 | 3.8 | 3.0-4.3 | |
| Vine Maturity ⁵ | 11 | 3.1 | 2.8-3.8 | |
| Blackspot ⁶ | Bud End | 13 | 4.6 | 3.7-5.0 |
| | Stem End | 13 | 3.9 | 2.5-5.0 |
| | Average | 13 | 4.2 | |
| Weight Loss ⁷ | 13 | 3.8 | 1.3-7.0 | |
| Dormancy ⁸ | 13 | 147 | 113-195 | |
| Enzymatic Browning ⁹ | 13 | 4.4 | 3.4-5.0 | |
| Specific Gravity | 13 | 1.096 | 1.081-1.101 | |
| Fry Color ¹⁰ | Harvest | 13 | 1.9 | 1.0-3.0 |
| | Storage | 13 | 2.2 | 1.0-3.0 |
| Fry Texture ¹¹ | Harvest | 13 | 3.4 | 3.0-5.0 |
| | Storage | 13 | 3.5 | 3.0-5.0 |

Refer to footnotes on page 52.

Table 12. Detailed data summary for Centennial Russet.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 35 | 294 | 177-392 | |
| Yield US #1 (Cwt/A) | 35 | 229 | 129-320 | |
| % US #1 | 35 | 77.4 | 61.9-89.0 | |
| Yield >10 oz (Cwt/A) | 35 | 26 | 4-72 | |
| Yield <4 oz (Cwt/A) | 35 | 62 | 32-102 | |
| % External Defects ¹ | 35 | 0.8 | 0.0-3.3 | |
| % Hollow Heart ² | 35 | 0.3 | 0.0-3.3 | |
| % Stand | 35 | 97 | 90-99 | |
| Emergence Uniformity | 15 | 3.2 | 3.0-3.5 | |
| Vine Vigor ³ | 15 | 2.2 | 1.0-3.0 | |
| Stems/Plant | 27 | 3.0 | 2.2-3.6 | |
| Vine Size ⁴ | 15 | 2.6 | 2.0-3.0 | |
| Vine Maturity ⁵ | 35 | 3.0 | 2.5-3.5 | |
| Blackspot ⁶ | Bud End | 40 | 4.8 | 3.7-5.0 |
| | Stem End | 40 | 4.8 | 4.2-5.0 |
| | Average | 43 | 4.8 | |
| Weight Loss ⁷ | 43 | 6.3 | 1.6-9.0 | |
| Dormancy ⁸ | 36 | 88 | 57-123 | |
| Enzymatic Browning ⁹ | 38 | 4.0 | 3.2-5.0 | |
| Specific Gravity | 50 | 1.080 | 1.069-1.092 | |
| Fry Color ¹⁰ | Harvest | 42 | 3.7 | 3.0-4.0 |
| | Storage | 42 | 4.0 | 3.0-5.0 |
| Fry Texture ¹¹ | Harvest | 42 | 2.3 | 1.0-4.0 |
| | Storage | 42 | 2.2 | 1.0-3.0 |

Refer to footnotes on page 52.

Table 13. Detailed data summary for Mesa Russet.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|----------|
| Total Yield (Cwt/A) | 10 | 419 | 345-478 | |
| Yield US #1 (Cwt/A) | 10 | 360 | 279-406 | |
| % US #1 | 10 | 86 | 81-92 | |
| Yield >10 oz (Cwt/A) | 10 | 97 | 54-144 | |
| Yield <4 oz (Cwt/A) | 10 | 51 | 23-61 | |
| % External Defects ¹ | 10 | 1.8 | 0.2-2.3 | |
| % Hollow Heart ² | 10 | 2.5 | 0.0-5.4 | |
| % Stand | 10 | 96 | 91-99 | |
| Emergence Uniformity | 10 | 3.3 | 3.0-3.8 | |
| Vine Vigor ³ | 10 | 3.7 | 2.8-4.0 | |
| Stems/Plant | 10 | 3.0 | 2.2-3.7 | |
| Vine Size ⁴ | 10 | 3.5 | 3.0-4.0 | |
| Vine Maturity ⁵ | 10 | 2.9 | 2.8-3.0 | |
| Blackspot ⁶ | Bud End | 11 | 4.0 | 2.9-5.0 |
| | Stem End | 11 | 3.7 | 2.7- 5.0 |
| | Average | 11 | 3.9 | |
| Weight Loss ⁷ | 11 | 3.6 | 1.2-6.8 | |
| Dormancy ⁸ | 11 | 95 | 83-105 | |
| Enzymatic Browning ⁹ | 11 | 4.6 | 4.0-5.0 | |
| Specific Gravity | 11 | 1.082 | 1.074-1.090 | |
| Fry Color ¹⁰ | Harvest | 11 | 1.3 | 0.0-2.0 |
| | Storage | 11 | 1.7 | 1.0-4.0 |
| Fry Texture ¹¹ | Harvest | 11 | 2.8 | 2.0-3.0 |
| | Storage | 11 | 3.1 | 3.0-4.0 |

Refer to footnotes on page 52.

Table 14. Detailed data summary for Rio Grande Russet.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 22 | 533 | 367-683 | |
| Yield US #1 (Cwt/A) | 22 | 426 | 255-603 | |
| % US #1 | 22 | 80 | 65-91 | |
| Yield >10 oz (Cwt/A) | 22 | 122 | 14-275 | |
| Yield <4 oz (Cwt/A) | 22 | 92 | 33-202 | |
| % External Defects ¹ | 22 | 2.8 | 0.1-8.7 | |
| % Hollow Heart ² | 22 | 0.4 | 0.0-4.1 | |
| % Stand | 22 | 99 | 96-100 | |
| Emergence Uniformity | 22 | 3.5 | 3.0-4.0 | |
| Vine Vigor ³ | 22 | 3.6 | 2.0-4.5 | |
| Stems/Plant | 22 | 3.4 | 2.0-4.8 | |
| Vine Size ⁴ | 22 | 4.1 | 3.5-5.0 | |
| Vine Maturity ⁵ | 22 | 3.0 | 2.5 -3.5 | |
| Blackspot ⁶ | Bud End | 22 | 4.7 | 4.1-5.0 |
| | Stem End | 22 | 4.6 | 3.0-5.0 |
| | Average | 22 | 4.7 | |
| Weight Loss ⁷ | 22 | 4.1 | 1.5-7.1 | |
| Dormancy ⁸ | 22 | 93 | 73-120 | |
| Enzymatic Browning ⁹ | 22 | 4.0 | 3.0-5.0 | |
| Specific Gravity | 22 | 1.087 | 1.078-1.094 | |
| Fry Color ¹⁰ | Harvest | 22 | 2.1 | 1.0-4.0 |
| | Storage | 22 | 2.9 | 2.0-4.0 |
| Fry Texture ¹¹ | Harvest | 22 | 3.1 | 2.0-4.0 |
| | Storage | 22 | 3.0 | 2.0-4.0 |

Refer to footnotes on page 52.

Table 15. Detailed data summary for Russet Norkotah.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 78 | 385 | 174-557 | |
| Yield US #1 (Cwt/A) | 78 | 324 | 144-480 | |
| % US #1 | 78 | 84 | 69-92 | |
| Yield >10 oz (Cwt/A) | 78 | 107 | 23-242 | |
| Yield <4 oz (Cwt/A) | 78 | 52 | 22-131 | |
| % External Defects ¹ | 78 | 2.2 | 0.0-5.3 | |
| % Hollow Heart ² | 78 | 0.4 | 0.0-2.8 | |
| % Stand | 78 | 98 | 88-100 | |
| Emergence Uniformity | 69 | 3.3 | 1.0-4.0 | |
| Vine Vigor ³ | 69 | 2.9 | 1.0-4.0 | |
| Stems/Plant | 74 | 3.7 | 2.4-5.7 | |
| Vine Size ⁴ | 69 | 2.4 | 1.0-4.0 | |
| Vine Maturity ⁵ | 78 | 1.8 | 1.0-3.0 | |
| Blackspot ⁶ | Bud End | 72 | 4.6 | 2.9-5.0 |
| | Stem End | 72 | 4.3 | 3.1-5.0 |
| | Average | 73 | 4.5 | |
| Weight Loss | 73 | 3.8 | 1.0-7.1 | |
| Dormancy ⁸ | 72 | 99 | 78-140 | |
| Enzymatic Browning ⁹ | 72 | 3.3 | 2.2-4.8 | |
| Specific Gravity | 76 | 1.079 | 1.066-1.091 | |
| Fry Color ¹⁰ | Harvest | 73 | 2.1 | 1.0-4.0 |
| | Storage | 73 | 2.5 | 1.0-4.0 |
| Fry Texture ¹¹ | Harvest | 73 | 2.7 | 1.0-4.0 |
| | Storage | 73 | 2.7 | 1.0-4.0 |

Refer to footnotes on page 52.

Table 16. Detailed data summary for Russet Nugget.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 64 | 441 | 284-585 | |
| Yield US #1 (Cwt/A) | 64 | 360 | 225-518 | |
| % US #1 | 64 | 81 | 68-93 | |
| Yield >10 oz (Cwt/A) | 64 | 91 | 11-258 | |
| Yield <4 oz (Cwt/A) | 64 | 73 | 30-133 | |
| % External Defects ¹ | 64 | 1.5 | 0.1-4.3 | |
| % Hollow Heart ² | 64 | 0.2 | 0.0-1.9 | |
| % Stand | 64 | 98 | 96-100 | |
| Emergence Uniformity | 54 | 3.3 | 2.8-4.0 | |
| Vine Vigor ³ | 54 | 3.4 | 2.5-4.0 | |
| Stems/Plant | 60 | 3.4 | 2.1-5.7 | |
| Vine Size ⁴ | 54 | 4.2 | 3.8-5.0 | |
| Vine Maturity ⁵ | 64 | 3.8 | 3.0-4.3 | |
| Blackspot ⁶ | Bud End | 75 | 4.7 | 3.0-5.0 |
| | Stem End | 75 | 4.5 | 2.1-5.0 |
| | Average | 78 | 4.6 | |
| Weight Loss ⁷ | 78 | 3.1 | 1.1-5.5 | |
| Dormancy ⁸ | 73 | 95 | 57-144 | |
| Enzymatic Browning ⁹ | 74 | 4.0 | 2.8-4.8 | |
| Specific Gravity | 80 | 1.093 | 1.072-1.110 | |
| Fry Color ¹⁰ | Harvest | 78 | 1.5 | 0.0-3.0 |
| | Storage | 78 | 1.9 | 1.0-3.0 |
| Fry Texture ¹¹ | Harvest | 78 | 4.1 | 2.0-5.0 |
| | Storage | 78 | 4.0 | 2.0-5.0 |

Refer to footnotes on page 52.

Table 17. Detailed data summary for CO98012-5R.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 6 | 466 | 368-546 | |
| Yield US #1 (Cwt/A) | 6 | 358 | 290-426 | |
| % US #1 | 6 | 77 | 66-86 | |
| Yield >10 oz (Cwt/A) | 6 | 50 | 16-105 | |
| Yield <4 oz (Cwt/A) | 6 | 106 | 65-170 | |
| % External Defects ¹ | 6 | 0.7 | 0.0-1.3 | |
| % Hollow Heart ² | 6 | 0.3 | 0.0-1.1 | |
| % Stand | 6 | 98 | 95-100 | |
| Emergence Uniformity | 6 | 3.2 | 2.8-3.8 | |
| Vine Vigor ³ | 6 | 3.1 | 2.8-3.5 | |
| Stems/Plant | 6 | 3.3 | 2.6-4.4 | |
| Vine Size ⁴ | 6 | 3.4 | 3.0-3.8 | |
| Vine Maturity ⁵ | 6 | 3.0 | 3.0-3.0 | |
| Blackspot ⁶ | Bud End | 6 | 4.1 | 3.4 4.8 |
| | Stem End | 6 | 3.5 | 2.4 4.5 |
| | Average | 6 | 3.8 | |
| Weight Loss ⁷ | 6 | 3.3 | 1.6-5.5 | |
| Dormancy ⁸ | 6 | 64 | 56-77 | |
| Enzymatic Browning ⁹ | 6 | 2.0 | 1.2-3.0 | |
| Specific Gravity | 6 | 1.079 | 1.073-1.082 | |
| Fry Color ¹⁰ | Harvest | 6 | 1.7 | 1.0-2.0 |
| | Storage | 6 | 3.0 | 2.0-4.0 |
| Fry Texture ¹¹ | Harvest | 6 | 2.2 | 2.0-3.0 |
| | Storage | 6 | 2.2 | 2.0-3.0 |

Refer to footnotes on page 52.

Table 18. Detailed data summary for CO99076-6R.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 5 | 402 | 379-448 | |
| Yield US #1 (Cwt/A) | 5 | 306 | 262-344 | |
| % US #1 | 5 | 76 | 68-82 | |
| Yield >10 oz (Cwt/A) | 5 | 47 | 17-77 | |
| Yield <4 oz (Cwt/A) | 5 | 87 | 62-102 | |
| % External Defects ¹ | 5 | 2.2 | 0.5-4.8 | |
| % Hollow Heart ² | 5 | 0.0 | 0.0-0.0 | |
| % Stand | 5 | 97 | 92-99 | |
| Emergence Uniformity | 5 | 3.3 | 2.8-4.0 | |
| Vine Vigor ³ | 5 | 3.5 | 3.0-4.0 | |
| Stems/Plant | 5 | 4.2 | 3.6-4.8 | |
| Vine Size ⁴ | 5 | 3.2 | 3.0-3.3 | |
| Vine Maturity ⁵ | 5 | 1.5 | 1.0-2.0 | |
| Blackspot ⁶ | Bud End | 5 | 3.8 | 3.1-4.5 |
| | Stem End | 5 | 3.0 | 2.3-3.7 |
| | Average | 5 | 3.4 | |
| Weight Loss ⁷ | 5 | 5.9 | 1.7-7.4 | |
| Dormancy ⁸ | 5 | 69 | 56-79 | |
| Enzymatic Browning ⁹ | 5 | 1.6 | 1.0-2.0 | |
| Specific Gravity | 5 | 1.086 | 1.082-1.089 | |
| Fry Color ¹⁰ | Harvest | 5 | 2.0 | 1.0-3.0 |
| | Storage | 5 | 2.8 | 2.0-3.0 |
| Fry Texture ¹¹ | Harvest | 5 | 2.2 | 2.0-3.0 |
| | Storage | 5 | 1.8 | 1.0-2.0 |

Refer to footnotes on page 52.

Table 19. Detailed data summary for CO99256-2R.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 5 | 512 | 422-571 | |
| Yield US #1 (Cwt/A) | 5 | 337 | 235-397 | |
| % US #1 | 5 | 65 | 56-70 | |
| Yield >10 oz (Cwt/A) | 5 | 42 | 9-81 | |
| Yield <4 oz (Cwt/A) | 5 | 173 | 145-200 | |
| % External Defects ¹ | 5 | 0.4 | 0.2-0.8 | |
| % Hollow Heart ² | 5 | 0.1 | 0.0-0.3 | |
| % Stand | 5 | 98 | 96-100 | |
| Emergence Uniformity | 5 | 3.1 | 2.8-3.8 | |
| Vine Vigor ³ | 5 | 3.1 | 2.8-3.5 | |
| Stems/Plant | 5 | 3.8 | 2.9-4.8 | |
| Vine Size ⁴ | 5 | 4.2 | 3.8-4.5 | |
| Vine Maturity ⁵ | 5 | 2.9 | 2.5-3.0 | |
| Blackspot ⁶ | Bud End | 5 | 3.8 | 2.6-5.0 |
| | Stem End | 5 | 3.6 | 2.6-4.3 |
| | Average | 5 | 3.7 | |
| Weight Loss ⁷ | 5 | 4.8 | 1.6-7.1 | |
| Dormancy ⁸ | 5 | 97 | 84-118 | |
| Enzymatic Browning ⁹ | 5 | 2.8 | 1.8-3.4 | |
| Specific Gravity | 5 | 1.088 | 1.080-1.095 | |
| Fry Color ¹⁰ | Harvest | 5 | 1.0 | 1.0-1.0 |
| | Storage | 5 | 2.0 | 2.0-2.0 |
| Fry Texture ¹¹ | Harvest | 5 | 2.8 | 2.0-3.0 |
| | Storage | 5 | 2.6 | 2.0-3.0 |

Refer to footnotes on page 52.

Table 20. Detailed data summary for CO00277-2R.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 4 | 419 | 380-458 | |
| Yield US #1 (Cwt/A) | 4 | 317 | 287-332 | |
| % US #1 | 4 | 76 | 69-85 | |
| Yield >10 oz (Cwt/A) | 4 | 52 | 39-68 | |
| Yield <4 oz (Cwt/A) | 4 | 98 | 54-127 | |
| % External Defects ¹ | 4 | 0.9 | 0.0-1.8 | |
| % Hollow Heart ² | 4 | 0.5 | 0.0-1.8 | |
| % Stand | 4 | 98 | 93-100 | |
| Emergence Uniformity | 4 | 2.9 | 2.5-3.3 | |
| Vine Vigor ³ | 4 | 3.0 | 2.8-3.3 | |
| Stems/Plant | 4 | 4.8 | 3.8-5.7 | |
| Vine Size ⁴ | 4 | 2.9 | 2.5-3.0 | |
| Vine Maturity ⁵ | 4 | 1.6 | 1.3-2.0 | |
| Blackspot ⁶ | Bud End | 4 | 4.5 | 4.2-5.0 |
| | Stem End | 4 | 4.4 | 3.8-5.0 |
| | Average | 4 | 4.5 | |
| Weight Loss ⁷ | 4 | 4.7 | 2.7-5.9 | |
| Dormancy ⁸ | 4 | 62 | 49-77 | |
| Enzymatic Browning ⁹ | 4 | 4.2 | 3.6-4.4 | |
| Specific Gravity | 4 | 1.079 | 1.076-1.083 | |
| Fry Color ¹⁰ | Harvest | 4 | 3.3 | 3.0-4.0 |
| | Storage | 4 | 4.0 | 4.0-4.0 |
| Fry Texture ¹¹ | Harvest | 4 | 2.5 | 2.0-3.0 |
| | Storage | 4 | 2.3 | 2.0-3.0 |

Refer to footnotes on page 52.

Table 21. Detailed data summary for CO00291-5R.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 4 | 384 | 343-422 | |
| Yield US #1 (Cwt/A) | 4 | 304 | 263-325 | |
| % US #1 | 4 | 79 | 75-87 | |
| Yield >10 oz (Cwt/A) | 4 | 25 | 17-30 | |
| Yield <4 oz (Cwt/A) | 4 | 79 | 45-105 | |
| % External Defects ¹ | 4 | 0.5 | 0.2-0.9 | |
| % Hollow Heart ² | 4 | 0.0 | 0.0-0.0 | |
| % Stand | 4 | 98 | 97-99 | |
| Emergence Uniformity | 4 | 2.9 | 2.3-3.5 | |
| Vine Vigor ³ | 4 | 2.8 | 2.3-3.3 | |
| Stems/Plant | 4 | 3.2 | 2.4-3.8 | |
| Vine Size ⁴ | 4 | 4.1 | 3.5-4.3 | |
| Vine Maturity ⁵ | 4 | 3.4 | 3.0-3.8 | |
| Blackspot ⁶ | Bud End | 4 | 2.8 | 2.0-3.2 |
| | Stem End | 4 | 3.5 | 2.4-4.3 |
| | Average | 4 | 3.1 | |
| Weight Loss ⁷ | 4 | 6.8 | 4.6-8.6 | |
| Dormancy ⁸ | 4 | 80 | 70-87 | |
| Enzymatic Browning ⁹ | 4 | 1.9 | 1.4-2.2 | |
| Specific Gravity | 4 | 1.082 | 1.072-1.089 | |
| Fry Color ¹⁰ | Harvest | 4 | 2.3 | 2.0-3.0 |
| | Storage | 4 | 2.8 | 2.0-3.0 |
| Fry Texture ¹¹ | Harvest | 4 | 2.5 | 1.0-3.0 |
| | Storage | 4 | 2.3 | 1.0-3.0 |

Refer to footnotes on page 52.

Table 22. Detailed data summary for Colorado Rose.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 14 | 517 | 390-641 | |
| Yield US #1 (Cwt/A) | 14 | 439 | 310-530 | |
| % US #1 | 14 | 85 | 76-91 | |
| Yield >10 oz (Cwt/A) | 14 | 153 | 69-249 | |
| Yield <4 oz (Cwt/A) | 14 | 63 | 43-98 | |
| % External Defects ¹ | 14 | 2.7 | 0.2-6.5 | |
| % Hollow Heart ² | 14 | 0.3 | 0.0-0.8 | |
| % Stand | 14 | 96 | 90-100 | |
| Emergence Uniformity | 14 | 3.0 | 2.5-3.5 | |
| Vine Vigor ³ | 14 | 3.0 | 2.2-3.8 | |
| Stems/Plant | 14 | 3.5 | 2.3-4.5 | |
| Vine Size ⁴ | 14 | 3.4 | 3.0-4.0 | |
| Vine Maturity ⁵ | 14 | 2.7 | 2.0-3.8 | |
| Blackspot ⁶ | Bud End | 14 | 3.8 | 2.1-4.8 |
| | Stem End | 14 | 3.8 | 2.4-5.0 |
| | Average | 14 | 3.8 | |
| Weight Loss ⁷ | 14 | 6.0 | 1.4-8.2 | |
| Dormancy ⁸ | 14 | 63 | 54-78 | |
| Enzymatic Browning ⁹ | 14 | 4.2 | 3.4-4.8 | |
| Specific Gravity | 14 | 1.082 | 1.071-1.086 | |
| Fry Color ¹⁰ | Harvest | 14 | 2.2 | 1.0-3.0 |
| | Storage | 13 | 2.8 | 2.0-3.0 |
| Fry Texture ¹¹ | Harvest | 14 | 2.8 | 2.0-4.0 |
| | Storage | 13 | 2.8 | 2.0-3.0 |

Refer to footnotes on page 52.

Table 23. Detailed data summary for Sangre-S10.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 24 | 542 | 410-636 | |
| Yield US #1 (Cwt/A) | 24 | 476 | 358-566 | |
| % US #1 | 24 | 88 | 82-93 | |
| Yield >10 oz (Cwt/A) | 24 | 182 | 101-319 | |
| Yield <4 oz (Cwt/A) | 24 | 56 | 34-90 | |
| % External Defects ¹ | 24 | 1.8 | 0.3-5.7 | |
| % Hollow Heart ² | 24 | 1.7 | 0.0-8.2 | |
| % Stand | 24 | 97 | 91-100 | |
| Emergence Uniformity | 24 | 3.1 | 2.5-3.5 | |
| Vine Vigor ³ | 24 | 2.8 | 1.8-3.5 | |
| Stems/Plant | 24 | 3.0 | 1.9-4.3 | |
| Vine Size ⁴ | 24 | 4.0 | 3.5-4.5 | |
| Vine Maturity ⁵ | 24 | 3.3 | 3.0-4.0 | |
| Blackspot ⁶ | Bud End | 35 | 3.8 | 2.0-5.0 |
| | Stem End | 35 | 4.1 | 2.5-5.0 |
| | Average | 35 | 3.9 | |
| Weight Loss ⁷ | 35 | 2.8 | 1.0-4.5 | |
| Dormancy ⁸ | 35 | 88 | 56-126 | |
| Enzymatic Browning ⁹ | 35 | 3.4 | 2.6-4.8 | |
| Specific Gravity | 35 | 1.076 | 1.060-1.087 | |
| Fry Color ¹⁰ | Harvest | 35 | 3.6 | 2.0-4.0 |
| | Storage | 35 | 3.9 | 3.0-4.0 |
| Fry Texture ¹¹ | Harvest | 35 | 2.3 | 1.0-4.0 |
| | Storage | 35 | 2.3 | 1.0-3.0 |

Refer to footnotes on page 52.

Table 24. Detailed data summary for AC97521-1R/Y.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 7 | 577 | 420-666 | |
| Yield US #1 (Cwt/A) | 7 | 449 | 319-548 | |
| % US #1 | 7 | 78 | 71-89 | |
| Yield >10 oz (Cwt/A) | 7 | 73 | 22-129 | |
| Yield <4 oz (Cwt/A) | 7 | 123 | 62-167 | |
| % External Defects ¹ | 7 | 0.8 | 0.0-1.7 | |
| % Hollow Heart ² | 7 | 1.2 | 0.4-1.9 | |
| % Stand | 7 | 97 | 93-100 | |
| Emergence Uniformity | 7 | 3.3 | 2.8-3.8 | |
| Vine Vigor ³ | 7 | 3.9 | 3.3-4.3 | |
| Stems/Plant | 7 | 4.2 | 3.5-5.3 | |
| Vine Size ⁴ | 7 | 4.1 | 3.8-4.5 | |
| Vine Maturity ⁵ | 7 | 2.9 | 2.5-3.0 | |
| Blackspot ⁶ | Bud End | 7 | 3.5 | 3.0-4.0 |
| | Stem End | 7 | 3.5 | 2.3-4.6 |
| | Average | 7 | 3.5 | |
| Weight Loss ⁷ | 7 | 3.0 | 1.5-6.4 | |
| Dormancy ⁸ | 7 | 91 | 62-108 | |
| Enzymatic Browning ⁹ | 7 | 3.4 | 2.8-4.0 | |
| Specific Gravity | 7 | 1.089 | 1.085-1.096 | |
| Fry Color ¹⁰ | Harvest | 7 | 4.0 | 4.0-4.0 |
| | Storage | 7 | 3.9 | 3.0-4.0 |
| Fry Texture ¹¹ | Harvest | 7 | 2.6 | 2.0-3.0 |
| | Storage | 7 | 2.7 | 2.0-3.0 |

Refer to footnotes on page 52.

Table 25. Detailed data summary for CO97226-2R/R.

| Variable | # Trials | Mean | Range |
|---------------------------------|----------|-------|-------------|
| Total Yield (Cwt/A) | 7 | 364 | 336-406 |
| Yield US #1 (Cwt/A) | 7 | 126 | 83-224 |
| % US #1 | 7 | 34 | 24-55 |
| Yield >10 oz (Cwt/A) | 7 | 0.6 | 0.0-1.0 |
| Yield <4 oz (Cwt/A) | 7 | 238 | 179-278 |
| % External Defects ¹ | 7 | 0.2 | 0.0-0.7 |
| % Hollow Heart ² | 7 | 0.0 | 0.0-0.0 |
| % Stand | 7 | 98 | 96-99 |
| Emergence Uniformity | 7 | 3.1 | 3.0-3.3 |
| Vine Vigor ³ | 7 | 3.1 | 3.0-3.5 |
| Stems/Plant | 7 | 4.2 | 3.0-5.9 |
| Vine Size ⁴ | 7 | 3.1 | 3.0-3.8 |
| Vine Maturity ⁵ | 7 | 2.3 | 1.3-3.0 |
| Blackspot ⁶ | Bud End | -- | -- -- |
| | Stem End | -- | -- -- |
| | Average | -- | -- |
| Weight Loss ⁷ | 7 | 4.1 | 1.9-7.8 |
| Dormancy ⁸ | 7 | 69 | 48-94 |
| Enzymatic Browning ⁹ | -- | -- | -- -- |
| Specific Gravity | 7 | 1.080 | 1.076-1.084 |
| Fry Color ¹⁰ | Harvest | -- | -- -- |
| | Storage | -- | -- -- |
| Fry Texture ¹¹ | Harvest | 7 | 3.0 2.0-4.0 |
| | Storage | 7 | 2.7 2.0-4.0 |

Refer to footnotes on page 52.

Table 26. Detailed data summary for CO97232-1R/Y.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 7 | 420 | 352-481 | |
| Yield US #1 (Cwt/A) | 7 | 282 | 220-366 | |
| % US #1 | 7 | 67 | 53-75 | |
| Yield >10 oz (Cwt/A) | 7 | 18 | 8-33 | |
| Yield <4 oz (Cwt/A) | 7 | 135 | 105-189 | |
| % External Defects ¹ | 7 | 0.8 | 0.1-1.3 | |
| % Hollow Heart ² | 7 | 0.0 | 0.0-0.0 | |
| % Stand | 7 | 95 | 90-99 | |
| Emergence Uniformity | 7 | 3.0 | 2.5-3.5 | |
| Vine Vigor ³ | 7 | 3.3 | 3.0-4.0 | |
| Stems/Plant | 7 | 3.9 | 2.9-4.7 | |
| Vine Size ⁴ | 7 | 3.0 | 2.3-3.3 | |
| Vine Maturity ⁵ | 7 | 2.0 | 1.3-2.8 | |
| Blackspot ⁶ | Bud End | 7 | 4.4 | 2.9-5.0 |
| | Stem End | 7 | 3.4 | 2.6-4.2 |
| | Average | 7 | 3.9 | |
| Weight Loss ⁷ | 7 | 4.9 | 1.6-8.1 | |
| Dormancy ⁸ | 7 | 61 | 49-80 | |
| Enzymatic Browning ⁹ | 7 | 3.8 | 3.4-4.4 | |
| Specific Gravity | 7 | 1.081 | 1.077-1.084 | |
| Fry Color ¹⁰ | Harvest | 6 | 0.8 | 0.0-1.0 |
| | Storage | 7 | 1.4 | 1.0-2.0 |
| Fry Texture ¹¹ | Harvest | 7 | 3.0 | 2.0-4.0 |
| | Storage | 7 | 2.7 | 2.0-3.0 |

Refer to footnotes on page 52.

Table 27. Detailed data summary for CO97232-2R/Y.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 7 | 440 | 416-471 | |
| Yield US #1 (Cwt/A) | 7 | 371 | 318-420 | |
| % US #1 | 7 | 84 | 76-91 | |
| Yield >10 oz (Cwt/A) | 7 | 89 | 43-148 | |
| Yield <4 oz (Cwt/A) | 7 | 66 | 36-100 | |
| % External Defects ¹ | 7 | 0.8 | 0.3-1.7 | |
| % Hollow Heart ² | 7 | 1.0 | 0.0-2.7 | |
| % Stand | 7 | 93 | 85-99 | |
| Emergence Uniformity | 7 | 3.1 | 2.8-3.5 | |
| Vine Vigor ³ | 7 | 3.3 | 3.0- 4.0 | |
| Stems/Plant | 7 | 3.3 | 2.6-4.0 | |
| Vine Size ⁴ | 7 | 2.6 | 2.0-3.0 | |
| Vine Maturity ⁵ | 7 | 2.6 | 2.0-3.0 | |
| Blackspot ⁶ | Bud End | 7 | 4.6 | 4.1-5.0 |
| | Stem End | 7 | 4.4 | 3.5-5.0 |
| | Average | 7 | 4.5 | |
| Weight Loss ⁷ | 7 | 4.3 | 1.5-8.8 | |
| Dormancy ⁸ | 7 | 71 | 49-94 | |
| Enzymatic Browning ⁹ | 7 | 4.4 | 4.0-5.0 | |
| Specific Gravity | 7 | 1.071 | 1.069-1.072 | |
| Fry Color ¹⁰ | Harvest | 7 | 1.1 | 1.0-2.0 |
| | Storage | 7 | 1.7 | 1.0-2.0 |
| Fry Texture ¹¹ | Harvest | 7 | 2.1 | 1.0-3.0 |
| | Storage | 7 | 2.4 | 2.0-3.0 |

Refer to footnotes on page 52.

Table 28. Detailed data summary for CO97233-3R/Y.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 7 | 477 | 409-524 | |
| Yield US #1 (Cwt/A) | 7 | 351 | 294-425 | |
| % US #1 | 7 | 73 | 61-82 | |
| Yield >10 oz (Cwt/A) | 7 | 83 | 42-133 | |
| Yield <4 oz (Cwt/A) | 7 | 108 | 67-162 | |
| % External Defects ¹ | 7 | 4.0 | 2.5-6.1 | |
| % Hollow Heart ² | 7 | 2.3 | 0.3-5.2 | |
| % Stand | 7 | 90 | 80-95 | |
| Emergence Uniformity | 7 | 3.1 | 3.0-3.5 | |
| Vine Vigor ³ | 7 | 3.6 | 3.3- 4.0 | |
| Stems/Plant | 7 | 3.8 | 2.6-4.6 | |
| Vine Size ⁴ | 7 | 3.0 | 2.8-3.3 | |
| Vine Maturity ⁵ | 7 | 3.3 | 2.8-4.0 | |
| Blackspot ⁶ | Bud End | 7 | 4.7 | 4.2-5.0 |
| | Stem End | 7 | 4.1 | 3.2-5.0 |
| | Average | 7 | 4.4 | |
| Weight Loss ⁷ | 7 | 3.1 | 1.6-6.0 | |
| Dormancy ⁸ | 7 | 76 | 62-94 | |
| Enzymatic Browning ⁹ | 7 | 4.1 | 3.6-4.6 | |
| Specific Gravity | 7 | 1.082 | 1.077-1.090 | |
| Fry Color ¹⁰ | Harvest | 7 | 1.1 | 0.0-2.0 |
| | Storage | 7 | 1.9 | 1.0-3.0 |
| Fry Texture ¹¹ | Harvest | 7 | 2.7 | 2.0-3.0 |
| | Storage | 7 | 2.7 | 2.0-3.0 |

Refer to footnotes on page 52.

Table 29. Detailed data summary for CO97222-1R/R.

| Variable | # Trials | Mean | Range |
|---------------------------------|----------|-------|-------------|
| Total Yield (Cwt/A) | 6 | 394 | 349-447 |
| Yield US #1 (Cwt/A) | 6 | 218 | 151-272 |
| % US #1 | 6 | 55 | 42-63 |
| Yield >10 oz (Cwt/A) | 6 | 22 | 7-37 |
| Yield <4 oz (Cwt/A) | 6 | 171 | 132-223 |
| % External Defects ¹ | 6 | 1.5 | 0.0-3.0 |
| % Hollow Heart ² | 6 | 0.0 | 0.0-0.0 |
| % Stand | 6 | 97 | 94-99 |
| Emergence Uniformity | 6 | 3.1 | 2.8-3.5 |
| Vine Vigor ³ | 6 | 2.8 | 2.3-3.3 |
| Stems/Plant | 6 | 4.0 | 2.9-5.1 |
| Vine Size ⁴ | 6 | 3.0 | 2.8-3.0 |
| Vine Maturity ⁵ | 6 | 2.4 | 2.0-3.0 |
| Blackspot ⁶ | Bud End | -- | -- -- |
| | Stem End | -- | -- -- |
| | Average | -- | -- |
| Weight Loss ⁷ | 6 | 3.0 | 1.4-4.0 |
| Dormancy ⁸ | 6 | 86 | 56-132 |
| Enzymatic Browning ⁹ | -- | -- | -- -- |
| Specific Gravity | 6 | 1.076 | 1.073-1.078 |
| Fry Color ¹⁰ | Harvest | -- | -- -- |
| | Storage | -- | -- -- |
| Fry Texture ¹¹ | Harvest | 5 | 2.0 1.0-3.0 |
| | Storage | 5 | 2.0 1.0-3.0 |

Refer to footnotes on page 52.

Table 30. Detailed data summary for CO97227-2P/PW.

| Variable | # Trials | Mean | Range |
|---------------------------------|----------|-------|-------------|
| Total Yield (Cwt/A) | 6 | 483 | 385-561 |
| Yield US #1 (Cwt/A) | 6 | 115 | 79-163 |
| % US #1 | 6 | 24 | 20-36 |
| Yield >10 oz (Cwt/A) | 6 | 1 | 0-2.0 |
| Yield <4 oz (Cwt/A) | 6 | 363 | 288-444 |
| % External Defects ¹ | 6 | 1.0 | 0.2-2.4 |
| % Hollow Heart ² | 6 | 0.0 | 0.0-0.0 |
| % Stand | 6 | 95 | 78-100 |
| Emergence Uniformity | 6 | 3.3 | 2.8-4.0 |
| Vine Vigor ³ | 6 | 3.7 | 3.0-4.0 |
| Stems/Plant | 6 | 5.5 | 4.0-8.0 |
| Vine Size ⁴ | 6 | 4.0 | 3.8-4.3 |
| Vine Maturity ⁵ | 6 | 2.8 | 2.0-3.0 |
| Blackspot ⁶ | Bud End | -- | -- -- |
| | Stem End | -- | -- -- |
| | Average | -- | -- -- |
| Weight Loss ⁷ | 6 | 3.8 | 2.0-5.0 |
| Dormancy ⁸ | 6 | 99 | 77-153 |
| Enzymatic Browning ⁹ | -- | -- | -- -- |
| Specific Gravity | 6 | 1.086 | 1.082-1.092 |
| Fry Color ¹⁰ | Harvest | -- | -- -- |
| | Storage | -- | -- -- |
| Fry Texture ¹¹ | Harvest | 4 | 4.0 3.0-5.0 |
| | Storage | 4 | 3.5 3.0-5.0 |

Refer to footnotes on page 47.

Table 31. Detailed data summary for AC99329-7PW/Y.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 5 | 537 | 463-585 | |
| Yield US #1 (Cwt/A) | 5 | 411 | 349-471 | |
| % US #1 | 5 | 76 | 71-80 | |
| Yield >10 oz (Cwt/A) | 5 | 83 | 43-141 | |
| Yield <4 oz (Cwt/A) | 5 | 116 | 95-149 | |
| % External Defects ¹ | 5 | 1.6 | 0.5-3.7 | |
| % Hollow Heart ² | 5 | 0.4 | 0.0-1.6 | |
| % Stand | 5 | 99 | 98-100 | |
| Emergence Uniformity | 5 | 3.6 | 3.0-4.0 | |
| Vine Vigor ³ | 5 | 4.4 | 3.8-5.0 | |
| Stems/Plant | 5 | 5.5 | 3.7-7.4 | |
| Vine Size ⁴ | 5 | 4.3 | 4.0-4.8 | |
| Vine Maturity ⁵ | 5 | 3.0 | 2.8-3.3 | |
| Blackspot ⁶ | Bud End | 5 | 4.2 | 3.1-4.9 |
| | Stem End | 5 | 3.4 | 2.7-4.5 |
| | Average | 5 | 3.8 | |
| Weight Loss ⁷ | 5 | 3.9 | 2.0-4.6 | |
| Dormancy ⁸ | 5 | 40 | 23-52 | |
| Enzymatic Browning ⁹ | 5 | 4.1 | 3.0-4.6 | |
| Specific Gravity | 5 | 1.090 | 1.081-1.094 | |
| Fry Color ¹⁰ | Harvest | 5 | 2.4 | 1.0-3.0 |
| | Storage | 5 | 2.6 | 2.0-3.0 |
| Fry Texture ¹¹ | Harvest | 5 | 2.8 | 2.0-3.0 |
| | Storage | 5 | 3.4 | 3.0-4.0 |

Refer to footnotes on page 52.

Table 32. Detailed data summary for AC99330-1P/Y.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 5 | 503 | 480-531 | |
| Yield US #1 (Cwt/A) | 5 | 270 | 208-302 | |
| % US #1 | 5 | 53 | 43-58 | |
| Yield >10 oz (Cwt/A) | 5 | 14 | 3-32 | |
| Yield <4 oz (Cwt/A) | 5 | 233 | 200-271 | |
| % External Defects ¹ | 5 | 0.0 | 0.0-0.2 | |
| % Hollow Heart ² | 5 | 0.2 | 0.0-0.6 | |
| % Stand | 5 | 98 | 96-99 | |
| Emergence Uniformity | 5 | 3.2 | 3.0-3.8 | |
| Vine Vigor ³ | 5 | 3.9 | 3.5-4.5 | |
| Stems/Plant | 5 | 5.3 | 4.2-6.6 | |
| Vine Size ⁴ | 5 | 3.6 | 2.8-4.0 | |
| Vine Maturity ⁵ | 5 | 2.8 | 2.0-3.0 | |
| Blackspot ⁶ | Bud End | 5 | 4.6 | 4.0-5.0 |
| | Stem End | 5 | 4.3 | 3.7-4.8 |
| | Average | 5 | 4.4 | |
| Weight Loss ⁷ | 5 | 3.2 | 1.4-5.0 | |
| Dormancy ⁸ | 5 | 61 | 49-66 | |
| Enzymatic Browning ⁹ | 5 | 3.1 | 2.4-3.6 | |
| Specific Gravity | 5 | 1.082 | 1.075-1.090 | |
| Fry Color ¹⁰ | Harvest | 5 | 1.6 | 1.0-2.0 |
| | Storage | 5 | 3.0 | 3.0-3.0 |
| Fry Texture ¹¹ | Harvest | 5 | 2.8 | 2.0-4.0 |
| | Storage | 5 | 3.2 | 3.0-4.0 |

Refer to footnotes on page 52.

Table 33. Detailed data summary for CO99045-1W/Y.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 5 | 556 | 503-634 | |
| Yield US #1 (Cwt/A) | 5 | 431 | 397-465 | |
| % US #1 | 5 | 78 | 73-85 | |
| Yield >10 oz (Cwt/A) | 5 | 116 | 97-169 | |
| Yield <4 oz (Cwt/A) | 5 | 109 | 71-160 | |
| % External Defects ¹ | 5 | 2.9 | 0.8-5.2 | |
| % Hollow Heart ² | 5 | 0.0 | 0.0-0.2 | |
| % Stand | 5 | 100 | 99-100 | |
| Emergence Uniformity | 5 | 3.4 | 3.0-3.5 | |
| Vine Vigor ³ | 5 | 3.7 | 3.0-4.3 | |
| Stems/Plant | 5 | 4.3 | 3.7-6.0 | |
| Vine Size ⁴ | 5 | 4.1 | 3.5-4.5 | |
| Vine Maturity ⁵ | 5 | 3.2 | 3.0-3.5 | |
| Blackspot ⁶ | Bud End | 5 | 4.7 | 4.5-5.0 |
| | Stem End | 5 | 4.5 | 4.1-5.0 |
| | Average | 5 | 4.6 | |
| Weight Loss ⁷ | 5 | 2.3 | 1.4-2.8 | |
| Dormancy ⁸ | 5 | 70 | 55-87 | |
| Enzymatic Browning ⁹ | 5 | 4.7 | 4.0-5.0 | |
| Specific Gravity | 5 | 1.088 | 1.080-1.093 | |
| Fry Color ¹⁰ | Harvest | 5 | 2.8 | 2.0-3.0 |
| | Storage | 5 | 3.0 | 2.0-4.0 |
| Fry Texture ¹¹ | Harvest | 5 | 2.8 | 2.0-3.0 |
| | Storage | 5 | 2.8 | 2.0-3.0 |

Refer to footnotes on page 52.

Table 34. Detailed data summary for ATC00293-1W/Y.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 4 | 577 | 505-621 | |
| Yield US #1 (Cwt/A) | 4 | 484 | 449-517 | |
| % US #1 | 4 | 84 | 80-89 | |
| Yield >10 oz (Cwt/A) | 4 | 130 | 80-185 | |
| Yield <4 oz (Cwt/A) | 4 | 67 | 47-78 | |
| % External Defects ¹ | 4 | 4.5 | 1.7-6.8 | |
| % Hollow Heart ² | 4 | 3.1 | 1.2-3.8 | |
| % Stand | 4 | 98 | 95-100 | |
| Emergence Uniformity | 4 | 2.9 | 2.5-3.3 | |
| Vine Vigor ³ | 4 | 3.4 | 3.0-4.0 | |
| Stems/Plant | 4 | 3.4 | 3.0-3.7 | |
| Vine Size ⁴ | 4 | 4.1 | 4.0-4.3 | |
| Vine Maturity ⁵ | 4 | 3.0 | 3.0-3.0 | |
| Blackspot ⁶ | Bud End | 4 | 4.1 | 2.6-5.0 |
| | Stem End | 4 | 4.2 | 2.8-5.0 |
| | Average | 4 | 4.1 | |
| Weight Loss ⁷ | 4 | 1.9 | 1.6-2.2 | |
| Dormancy ⁸ | 4 | 120 | 112-129 | |
| Enzymatic Browning ⁹ | 4 | 4.5 | 4.4-4.8 | |
| Specific Gravity | 4 | 1.082 | 1.075-1.085 | |
| Fry Color ¹⁰ | Harvest | 4 | 0.5 | 0.0-1.0 |
| | Storage | 4 | 1.8 | 1.0-3.0 |
| Fry Texture ¹¹ | Harvest | 4 | 2.0 | 1.0-3.0 |
| | Storage | 4 | 2.3 | 2.0-3.0 |

Refer to footnotes on page 52.

Table 35. Detailed data summary for CO00405-1R.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 4 | 348 | 290-373 | |
| Length: <2" | 2 | 43 | 27-58 | |
| Length: 2-4" | 2 | 244 | 228-260 | |
| Length: >4"-6" | 2 | 70 | 40-101 | |
| Length: >6" | 2 | 3 | 0-6 | |
| % External Defects ¹ | 4 | 2.8 | 0.2-4.7 | |
| % Hollow Heart ² | 4 | 0.0 | 0.0-0.0 | |
| % Stand | 4 | 99 | 98-100 | |
| Emergence Uniformity | 4 | 3.3 | 3.0-3.5 | |
| Vine Vigor ³ | 4 | 2.8 | 2.0-3.8 | |
| Stems/Plant | 4 | 4.2 | 3.6-5.5 | |
| Vine Size ⁴ | 4 | 2.2 | 1.8-2.8 | |
| Vine Maturity ⁵ | 4 | 1.3 | 1.0-2.0 | |
| Blackspot ⁶ | Bud End | 4 | 4.7 | 3.9-5.0 |
| | Stem End | 4 | 4.7 | 3.9-5.0 |
| | Average | 4 | 4.7 | |
| Weight Loss ⁷ | 4 | 3.4 | 3.1-4.0 | |
| Dormancy ⁸ | 4 | 78 | 63-87 | |
| Enzymatic Browning ⁹ | 4 | 4.3 | 3.6-5.0 | |
| Specific Gravity | 4 | 1.081 | 1.077-1.086 | |
| Fry Color ¹⁰ | Harvest | 4 | 1.3 | 1.0-2.0 |
| | Storage | 4 | 2.0 | 2.0-2.0 |
| Fry Texture ¹¹ | Harvest | 4 | 3.3 | 2.0-5.0 |
| | Storage | 4 | 3.3 | 2.0-5.0 |

Refer to footnotes on page 52.

Table 36. Detailed data summary for CO00412-5W/Y.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 4 | 489 | 421-579 | |
| Yield US #1 (Cwt/A) | 4 | 353 | 283-448 | |
| % US #1 | 4 | 72 | 61-82 | |
| Yield >10 oz (Cwt/A) | 4 | 66 | 29-108 | |
| Yield <4 oz (Cwt/A) | 4 | 122 | 75-167 | |
| % External Defects ¹ | 4 | 2.7 | 0.7-3.8 | |
| % Hollow Heart ² | 4 | 0.9 | 0.0-1.9 | |
| % Stand | 4 | 99 | 98-100 | |
| Emergence Uniformity | 4 | 3.4 | 3.0-4.0 | |
| Vine Vigor ³ | 4 | 3.9 | 3.5-4.3 | |
| Stems/Plant | 4 | 4.9 | 4.6-5.7 | |
| Vine Size ⁴ | 4 | 3.6 | 3.0-4.0 | |
| Vine Maturity ⁵ | 4 | 2.8 | 2.5-3.0 | |
| Blackspot ⁶ | Bud End | 4 | 4.0 | 2.0-5.0 |
| | Stem End | 4 | 3.6 | 1.9-4.4 |
| | Average | 4 | 3.8 | |
| Weight Loss ⁷ | 4 | 2.1 | 1.7-2.6 | |
| Dormancy ⁸ | 4 | 78 | 70-87 | |
| Enzymatic Browning ⁹ | 4 | 3.7 | 3.2-4.0 | |
| Specific Gravity | 4 | 1.088 | 1.077-1.094 | |
| Fry Color ¹⁰ | Harvest | 4 | 1.3 | 1.0-2.0 |
| | Storage | 4 | 2.3 | 2.0-3.0 |
| Fry Texture ¹¹ | Harvest | 4 | 2.5 | 2.0-3.0 |
| | Storage | 4 | 3.0 | 2.0-4.0 |

Refer to footnotes on page 52.

Table 37. Detailed data summary for CO00415-1R.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 4 | 357 | 278-420 | |
| Length: <2" | 2 | 36 | 26-46 | |
| Length: 2-4" | 2 | 246 | 207-285 | |
| Length: >4"-6" | 2 | 56 | 19-93 | |
| Length: >6" | 2 | 3 | 0-6 | |
| % External Defects ¹ | 4 | 4.3 | 2.4-7.8 | |
| % Hollow Heart ² | 4 | 0.0 | 0.0-0.0 | |
| % Stand | 4 | 87 | 54-100 | |
| Emergence Uniformity | 4 | 3.1 | 2.0-3.5 | |
| Vine Vigor ³ | 4 | 2.9 | 2.5-3.3 | |
| Stems/Plant | 4 | 5.0 | 4.1-7.2 | |
| Vine Size ⁴ | 4 | 2.4 | 2.0-3.3 | |
| Vine Maturity ⁵ | 4 | 1.3 | 1.0-1.8 | |
| Blackspot ⁶ | Bud End | 4 | 4.9 | 4.5-5.0 |
| | Stem End | 4 | 4.5 | 3.1-5.0 |
| | Average | 4 | 4.7 | |
| Weight Loss ⁷ | 4 | 2.8 | 2.2-4.1 | |
| Dormancy ⁸ | 4 | 95 | 84-105 | |
| Enzymatic Browning ⁹ | 4 | 4.5 | 4.0-4.6 | |
| Specific Gravity | 4 | 1.076 | 1.071-1.078 | |
| Fry Color ¹⁰ | Harvest | 4 | 1.8 | 1.0-2.0 |
| | Storage | 4 | 3.0 | 3.0-3.0 |
| Fry Texture ¹¹ | Harvest | 4 | 2.8 | 2.0-4.0 |
| | Storage | 4 | 2.5 | 2.0-3.0 |

Refer to footnotes on page 52.

Table 38. Detailed data summary for Mountain Rose.

| Variable | # Trials | Mean | Range |
|---------------------------------|----------|-------|-------------|
| Total Yield (Cwt/A) | 8 | 383 | 288-449 |
| Yield US #1 (Cwt/A) | 8 | 262 | 150-354 |
| % US #1 | 8 | 68 | 52-79 |
| Yield >10 oz (Cwt/A) | 8 | 23 | 4-63 |
| Yield <4 oz (Cwt/A) | 8 | 116 | 91-148 |
| % External Defects ¹ | 8 | 1.1 | 0.0-2.4 |
| % Hollow Heart ² | 8 | 0.0 | 0.0-0.0 |
| % Stand | 8 | 98 | 94-100 |
| Emergence Uniformity | 8 | 3.6 | 3.0-4.3 |
| Vine Vigor ³ | 8 | 2.7 | 2.0-3.0 |
| Stems/Plant | 8 | 3.7 | 2.9-4.9 |
| Vine Size ⁴ | 8 | 2.7 | 2.3-3.0 |
| Vine Maturity ⁵ | 8 | 2.2 | 1.5-3.0 |
| Blackspot ⁶ | Bud End | --- | --- |
| | Stem End | --- | --- |
| | Average | --- | --- |
| Weight Loss ⁷ | 11 | 4.1 | 1.3-6.3 |
| Dormancy ⁸ | 11 | 102 | 77-153 |
| Enzymatic Browning ⁹ | --- | --- | --- |
| Specific Gravity | 11 | 1.081 | 1.074-1.086 |
| Fry Color ¹⁰ | Harvest | --- | --- |
| | Storage | --- | --- |
| Fry Texture ¹¹ | Harvest | 6 | 2.5 |
| | Storage | 6 | 2.7 |

Refer to footnotes on page 52.

Table 39. Detailed data summary for Purple Majesty.

| Variable | # Trials | Mean | Range |
|---------------------------------|----------|-------|-------------|
| Total Yield (Cwt/A) | 12 | 496 | 404-606 |
| Yield US #1 (Cwt/A) | 12 | 289 | 203-401 |
| % US #1 | 12 | 58 | 40-72 |
| Yield >10 oz (Cwt/A) | 12 | 30 | 14-61 |
| Yield <4 oz (Cwt/A) | 12 | 205 | 122-326 |
| % External Defects ¹ | 12 | 0.6 | 0.0-1.7 |
| % Hollow Heart ² | 12 | 1.3 | 0.2-3.4 |
| % Stand | 12 | 97 | 94-99 |
| Emergence Uniformity | 12 | 3.5 | 3.0-4.0 |
| Vine Vigor ³ | 12 | 3.7 | 2.8-4.5 |
| Stems/Plant | 12 | 4.3 | 3.5-6.1 |
| Vine Size ⁴ | 12 | 2.9 | 2.3-3.0 |
| Vine Maturity ⁵ | 12 | 2.1 | 1.5-3.0 |
| Blackspot ⁶ | Bud End | --- | --- |
| | Stem End | --- | --- |
| | Average | --- | --- |
| Weight Loss ⁷ | 13 | 3.3 | 1.1-6.8 |
| Dormancy ⁸ | 13 | 68 | 48-85 |
| Enzymatic Browning ⁹ | --- | --- | --- |
| Specific Gravity | 13 | 1.084 | 1.076-1.089 |
| Fry Color ¹⁰ | Harvest | --- | --- |
| | Storage | --- | --- |
| Fry Texture ¹¹ | Harvest | 8 | 1.0-4.0 |
| | Storage | 8 | 2.0-3.0 |

Refer to footnotes on page 52.

Table 40. Detailed data summary for Yukon Gold.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 26 | 413 | 321-513 | |
| Yield US #1 (Cwt/A) | 26 | 368 | 293-444 | |
| % US #1 | 26 | 89 | 82-94 | |
| Yield >10 oz (Cwt/A) | 26 | 162 | 89-248 | |
| Yield <4 oz (Cwt/A) | 26 | 38 | 22-66 | |
| % External Defects ¹ | 26 | 1.6 | 0.0-4.4 | |
| % Hollow Heart ² | 26 | 0.6 | 0.0-2.2 | |
| % Stand | 26 | 96 | 90-100 | |
| Emergence Uniformity | 26 | 3.2 | 2.5-3.8 | |
| Vine Vigor ³ | 26 | 3.8 | 3.0-4.3 | |
| Stems/Plant | 26 | 2.5 | 1.6-3.8 | |
| Vine Size ⁴ | 26 | 3.0 | 2.5-3.5 | |
| Vine Maturity ⁵ | 26 | 1.8 | 1.0-2.8 | |
| Blackspot ⁶ | Bud End | 29 | 4.0 | 2.0-5.0 |
| | Stem End | 29 | 3.8 | 2.4-5.0 |
| | Average | 29 | 3.9 | |
| Weight Loss ⁷ | 29 | 2.3 | 1.0-4.3 | |
| Dormancy ⁸ | 29 | 92 | 69-132 | |
| Enzymatic Browning ⁹ | 29 | 4.4 | 3.8-5.0 | |
| Specific Gravity | 29 | 1.085 | 1.079-1.092 | |
| Fry Color ¹⁰ | Harvest | 29 | 1.7 | 1.0-3.0 |
| | Storage | 29 | 2.8 | 1.0-4.0 |
| Fry Texture ¹¹ | Harvest | 29 | 2.9 | 1.0-4.0 |
| | Storage | 29 | 2.9 | 1.0-4.0 |

Refer to footnotes on page 52.

Table 41. Detailed data summary for CO95051-7W.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 8 | 413 | 372-469 | |
| Yield US #1 (Cwt/A) | 8 | 355 | 295-411 | |
| % US #1 | 8 | 86 | 79-90 | |
| Yield >10 oz (Cwt/A) | 8 | 69 | 13-145 | |
| Yield <4 oz (Cwt/A) | 8 | 54 | 37-75 | |
| % External Defects ¹ | 8 | 1.0 | 0.4-1.6 | |
| % Hollow Heart ² | 8 | 0.4 | 0.0-1.3 | |
| % Stand | 8 | 93 | 82-99 | |
| Emergence Uniformity | 8 | 3.0 | 2.8-3.5 | |
| Vine Vigor ³ | 8 | 3.0 | 3.0-3.3 | |
| Stems/Plant | 8 | 3.1 | 2.6-3.9 | |
| Vine Size ⁴ | 8 | 3.6 | 3.0-4.0 | |
| Vine Maturity ⁵ | 8 | 3.3 | 3.0-4.0 | |
| Blackspot ⁶ | Bud End | 16 | 4.1 | 3.1-4.9 |
| | Stem End | 16 | 2.7 | 1.6-4.2 |
| | Average | 16 | 3.4 | |
| Weight Loss ⁷ | 16 | 5.1 | 1.7-11.0 | |
| Dormancy ⁸ | 16 | 77 | 62-100 | |
| Enzymatic Browning ⁹ | 16 | 3.5 | 1.8-4.4 | |
| Specific Gravity | 17 | 1.100 | 1.089-1.110 | |
| Chip Color ¹⁰ | 40 | 47 | 3.4 | 2.5-4.5 |
| | 40R | 17 | 2.8 | 1.0-4.0 |
| | 50 | 17 | 2.1 | 1.0-4.0 |
| | 50R | 17 | 1.8 | 1.0-3.5 |

Refer to footnotes on page 52.

Table 42. Detailed data summary for CO96141-4W.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 8 | 416 | 390-460 | |
| Yield US #1 (Cwt/A) | 8 | 363 | 318-398 | |
| % US #1 | 8 | 87 | 80-95 | |
| Yield >10 oz (Cwt/A) | 8 | 102 | 36-176 | |
| Yield <4 oz (Cwt/A) | 8 | 48 | 15-79 | |
| % External Defects ¹ | 8 | 1.1 | 0.2-2.0 | |
| % Hollow Heart ² | 8 | 0.0 | 0.0-0.0 | |
| % Stand | 8 | 98 | 93-100 | |
| Emergence Uniformity | 8 | 3.2 | 3.0-3.5 | |
| Vine Vigor ³ | 8 | 2.8 | 2.3-3.0 | |
| Stems/Plant | 8 | 2.8 | 2.1-3.4 | |
| Vine Size ⁴ | 8 | 2.8 | 2.3-3.0 | |
| Vine Maturity ⁵ | 8 | 2.6 | 2.0-3.0 | |
| Blackspot ⁶ | Bud End | 15 | 4.3 | 2.6-5.0 |
| | Stem End | 15 | 3.4 | 2.3-5.0 |
| | Average | 15 | 3.9 | |
| Weight Loss ⁷ | 15 | 3.5 | 1.2-7.3 | |
| Dormancy ⁸ | 15 | 87 | 69-105 | |
| Enzymatic Browning ⁹ | 15 | 4.0 | 2.8-5.0 | |
| Specific Gravity | 16 | 1.087 | 1.081-1.092 | |
| Chip Color ¹⁰ | 40 | 16 | 4.1 | 2.5-5.0 |
| | 40R | 16 | 3.4 | 2.5-4.0 |
| | 50 | 16 | 2.3 | 2.0-3.0 |
| | 50R | 16 | 2.2 | 1.0-3.0 |

Refer to footnotes on page 52.

Table 43. Detailed data summary for CO97043-14W.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 7 | 431 | 351-483 | |
| Yield US #1 (Cwt/A) | 7 | 349 | 297-428 | |
| % US #1 | 7 | 81 | 69-89 | |
| Yield >10 oz (Cwt/A) | 7 | 92 | 34-187 | |
| Yield <4 oz (Cwt/A) | 7 | 77 | 44-138 | |
| % External Defects ¹ | 7 | 1.4 | 0.3-2.4 | |
| % Hollow Heart ² | 7 | 0.3 | 0.0-1.3 | |
| % Stand | 7 | 89 | 69-100 | |
| Emergence Uniformity | 7 | 2.9 | 1.0-3.5 | |
| Vine Vigor ³ | 7 | 3.2 | 2.8-3.5 | |
| Stems/Plant | 7 | 3.1 | 2.5-3.9 | |
| Vine Size ⁴ | 7 | 3.0 | 2.8-3.0 | |
| Vine Maturity ⁵ | 7 | 2.9 | 2.5-3.3 | |
| Blackspot ⁶ | Bud End | 13 | 3.9 | 3.0-4.6 |
| | Stem End | 13 | 3.4 | 2.4-4.4 |
| | Average | 13 | 3.7 | |
| Weight Loss ⁷ | 13 | 4.0 | 1.3-7.7 | |
| Dormancy ⁸ | 13 | 108 | 84-160 | |
| Enzymatic Browning ⁹ | 13 | 4.3 | 3.8-4.8 | |
| Specific Gravity | 14 | 1.089 | 1.083-1.094 | |
| Chip Color ¹⁰ | 40 | 14 | 4.0 | 3.5-4.5 |
| | 40R | 14 | 3.2 | 2.5-4.0 |
| | 50 | 14 | 1.9 | 1.0-2.5 |
| | 50R | 14 | 1.8 | 1.0-2.5 |

Refer to footnotes on page 52.

Table 44. Detailed data summary for CO97065-7W.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 7 | 424 | 389-443 | |
| Yield US #1 (Cwt/A) | 7 | 351 | 302-393 | |
| % US #1 | 7 | 83 | 70-89 | |
| Yield >10 oz (Cwt/A) | 7 | 70 | 16-123 | |
| Yield <4 oz (Cwt/A) | 7 | 70 | 41-130 | |
| % External Defects ¹ | 7 | 0.9 | 0.2-1.6 | |
| % Hollow Heart ² | 7 | 0.2 | 0.0-0.9 | |
| % Stand | 7 | 96 | 95-99 | |
| Emergence Uniformity | 7 | 3.1 | 3.0-3.5 | |
| Vine Vigor ³ | 7 | 3.6 | 3.3-4.0 | |
| Stems/Plant | 7 | 3.5 | 2.5-4.4 | |
| Vine Size ⁴ | 7 | 3.2 | 3.0-3.5 | |
| Vine Maturity ⁵ | 7 | 2.6 | 2.0-3.0 | |
| Blackspot ⁶ | Bud End | 13 | 4.5 | 3.9-5.0 |
| | Stem End | 13 | 3.4 | 1.9-4.6 |
| | Average | 13 | 3.9 | |
| Weight Loss ⁷ | 13 | 2.8 | 1.3-6.4 | |
| Dormancy ⁸ | 13 | 124 | 90-160 | |
| Enzymatic Browning ⁹ | 13 | 4.6 | 4.0-5.0 | |
| Specific Gravity | 14 | 1.098 | 1.093-1.107 | |
| Chip Color ¹⁰ | 40 | 14 | 4.1 | 3.0-5.0 |
| | 40R | 14 | 3.4 | 2.5-4.0 |
| | 50 | 14 | 2.0 | 1.0-3.0 |
| | 50R | 14 | 2.0 | 1.5-3.0 |

Refer to footnotes on page 52.

Table 45. Detailed data summary for CO00188-4W.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 4 | 444 | 385-483 | |
| Yield US #1 (Cwt/A) | 4 | 329 | 270-377 | |
| % US #1 | 4 | 74 | 70-83 | |
| Yield >10 oz (Cwt/A) | 4 | 32 | 12-68 | |
| Yield <4 oz (Cwt/A) | 4 | 110 | 74-133 | |
| % External Defects ¹ | 4 | 1.1 | 0.5-1.9 | |
| % Hollow Heart ² | 4 | 0.1 | 0.0-0.3 | |
| % Stand | 4 | 99 | 98-100 | |
| Emergence Uniformity | 4 | 3.4 | 3.3-3.8 | |
| Vine Vigor ³ | 4 | 3.9 | 3.3-4.3 | |
| Stems/Plant | 4 | 4.6 | 4.4-4.8 | |
| Vine Size ⁴ | 4 | 3.1 | 3.0-3.3 | |
| Vine Maturity ⁵ | 4 | 2.6 | 2.3-3.0 | |
| Blackspot ⁶ | Bud End | 7 | 4.6 | 3.8-5.0 |
| | Stem End | 7 | 3.2 | 1.4-4.3 |
| | Average | 7 | 3.9 | |
| Weight Loss ⁷ | 7 | 2.7 | 2.1-3.6 | |
| Dormancy ⁸ | 7 | 103 | 84-123 | |
| Enzymatic Browning ⁹ | 7 | 4.4 | 3.8-4.8 | |
| Specific Gravity | 8 | 1.090 | 1.085-1.094 | |
| Chip Color ¹⁰ | 40 | 8 | 3.1 | 2.0-4.0 |
| | 40R | 8 | 2.8 | 1.5-4.0 |
| | 50 | 8 | 1.5 | 1.0-2.5 |
| | 50R | 8 | 1.6 | 1.0-2.5 |

Refer to footnotes on page 52.

Table 46. Detailed data summary for CO00197-3W.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 4 | 482 | 456-511 | |
| Yield US #1 (Cwt/A) | 4 | 346 | 270-394 | |
| % US #1 | 4 | 72 | 59-79 | |
| Yield >10 oz (Cwt/A) | 4 | 59 | 35-95 | |
| Yield <4 oz (Cwt/A) | 4 | 132 | 99-183 | |
| % External Defects ¹ | 4 | 0.8 | 0.1-1.6 | |
| % Hollow Heart ² | 4 | 1.0 | 0.0-3.2 | |
| % Stand | 4 | 96 | 93-100 | |
| Emergence Uniformity | 4 | 3.3 | 3.0-3.5 | |
| Vine Vigor ³ | 4 | 3.8 | 3.3-4.3 | |
| Stems/Plant | 4 | 3.8 | 3.7-3.9 | |
| Vine Size ⁴ | 4 | 3.3 | 3.0-3.5 | |
| Vine Maturity ⁵ | 4 | 2.3 | 2.0-3.0 | |
| Blackspot ⁶ | Bud End | 7 | 3.7 | 2.4-4.6 |
| | Stem End | 7 | 2.8 | 2.0-3.8 |
| | Average | 7 | 3.3 | |
| Weight Loss ⁷ | 7 | 2.1 | 1.6-2.9 | |
| Dormancy ⁸ | 7 | 90 | 70-109 | |
| Enzymatic Browning ⁹ | 7 | 3.1 | 2.2-3.8 | |
| Specific Gravity | 8 | 1.088 | 1.086-1.090 | |
| Chip Color ¹⁰ | 40 | 8 | 4.1 | 3.0-5.0 |
| | 40R | 8 | 3.5 | 2.5-4.5 |
| | 50 | 8 | 2.0 | 1.0-3.0 |
| | 50R | 8 | 2.1 | 1.0-3.0 |

Refer to footnotes on page 52.

Table 47. Detailed data summary for CO00270-7W.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 4 | 429 | 400-456 | |
| Yield US #1 (Cwt/A) | 4 | 357 | 326-383 | |
| % US #1 | 4 | 83 | 80-88 | |
| Yield >10 oz (Cwt/A) | 4 | 75 | 68-84 | |
| Yield <4 oz (Cwt/A) | 4 | 68 | 46-76 | |
| % External Defects ¹ | 4 | 1.1 | 0.4-1.7 | |
| % Hollow Heart ² | 4 | 0.0 | 0.0-0.0 | |
| % Stand | 4 | 95 | 93-99 | |
| Emergence Uniformity | 4 | 3.3 | 3.0-3.5 | |
| Vine Vigor ³ | 4 | 3.8 | 3.5-4.0 | |
| Stems/Plant | 4 | 3.7 | 3.2-4.2 | |
| Vine Size ⁴ | 4 | 3.1 | 3.0-3.3 | |
| Vine Maturity ⁵ | 4 | 2.6 | 2.3-3.0 | |
| Blackspot ⁶ | Bud End | 7 | 4.2 | 3.1-4.8 |
| | Stem End | 7 | 3.6 | 2.6-4.3 |
| | Average | 7 | 3.9 | |
| Weight Loss ⁷ | 7 | 2.6 | 2.0-3.1 | |
| Dormancy ⁸ | 7 | 69 | 56-94 | |
| Enzymatic Browning ⁹ | 7 | 3.6 | 3.4-4.0 | |
| Specific Gravity | 8 | 1.087 | 1.080-1.092 | |
| Chip Color ¹⁰ | 40 | 8 | 3.1 | 1.5-4.0 |
| | 40R | 8 | 2.4 | 1.5-3.5 |
| | 50 | 8 | 1.6 | 1.0-3.0 |
| | 50R | 8 | 1.5 | 1.0-2.0 |

Refer to footnotes on page 52.

Table 48. Detailed data summary for Atlantic.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 36 | 460 | 307-597 | |
| Yield US #1 (Cwt/A) | 36 | 397 | 265-512 | |
| % US #1 | 36 | 86 | 76-93 | |
| Yield >10 oz (Cwt/A) | 36 | 148 | 58-290 | |
| Yield <4 oz (Cwt/A) | 36 | 50 | 19-109 | |
| % External Defects ¹ | 36 | 2.6 | 0.1-9.1 | |
| % Hollow Heart ² | 36 | 5.0 | 0.3-16.4 | |
| % Stand | 36 | 96 | 88-100 | |
| Emergence Uniformity | 30 | 3.6 | 3.0-4.3 | |
| Vine Vigor ³ | 30 | 3.5 | 2.8-4.3 | |
| Stems/Plant | 36 | 3.1 | 2.2-4.9 | |
| Vine Size ⁴ | 30 | 3.1 | 2.2-4.0 | |
| Vine Maturity ⁵ | 36 | 3.2 | 2.8-4.0 | |
| Blackspot ⁶ | Bud End | 50 | 3.1 | 1.8-5.0 |
| | Stem End | 50 | 2.7 | 1.4-4.3 |
| | Average | 51 | 2.9 | |
| Weight Loss ⁷ | 51 | 4.6 | 1.1-7.9 | |
| Dormancy ⁸ | 48 | 85 | 62-119 | |
| Enzymatic Browning ⁹ | 49 | 4.5 | 3.8-5.0 | |
| Specific Gravity | 52 | 1.098 | 1.083-1.120 | |
| Chip Color ¹⁰ | 40 | 52 | 4.0 | 2.0-5.0 |
| | 40R | 52 | 3.4 | 1.5-5.0 |
| | 50 | 52 | 2.6 | 1.0-4.0 |
| | 50R | 52 | 2.5 | 1.0-4.0 |

Refer to footnotes on page 52.

Table 49. Detailed data summary for Chipeta.

| Variable | # Trials | Mean | Range | |
|---------------------------------|----------|-------|-------------|---------|
| Total Yield (Cwt/A) | 34 | 541 | 399-757 | |
| Yield US #1 (Cwt/A) | 34 | 458 | 306-606 | |
| % US #1 | 34 | 84 | 71-90 | |
| Yield >10 oz (Cwt/A) | 34 | 166 | 52-388 | |
| Yield <4 oz (Cwt/A) | 34 | 56 | 22-119 | |
| % External Defects ¹ | 34 | 5.1 | 1.1-13.0 | |
| % Hollow Heart ² | 34 | 0.5 | 0.0-4.0 | |
| % Stand | 34 | 98 | 94-100 | |
| Emergence Uniformity | 27 | 3.5 | 3.0-4.3 | |
| Vine Vigor ³ | 27 | 4.0 | 3.2-5.0 | |
| Stems/Plant | 33 | 3.5 | 2.5-4.9 | |
| Vine Size ⁴ | 27 | 4.3 | 4.0-5.0 | |
| Vine Maturity ⁵ | 34 | 3.3 | 3.0-4.0 | |
| Blackspot ⁶ | Bud End | 47 | 3.8 | 2.2-5.0 |
| | Stem End | 47 | 3.6 | 1.4-4.9 |
| | Average | 49 | 3.7 | |
| Weight Loss ⁷ | 49 | 3.3 | 1.0-8.0 | |
| Dormancy ⁸ | 45 | 104 | 77-153 | |
| Enzymatic Browning ⁹ | 46 | 4.0 | 2.8-5.0 | |
| Specific Gravity | 49 | 1.090 | 1.073-1.104 | |
| Chip Color ¹⁰ | 40 | 49 | 4.5 | 3.0-5.0 |
| | 40R | 49 | 3.7 | 1.5-5.0 |
| | 50 | 49 | 2.5 | 1.0-4.0 |
| | 50R | 49 | 2.3 | 1.0-4.0 |

Refer to footnotes on page 52.

Footnotes for Tables 2-49:

- ¹Percent external defects based on the proportion of the total sample weight with significant defects.
- ²Percent hollow heart calculated as follows: (Weight of tubers >10 ounces with defects/total sample weight) x 100.
- ³Vine vigor is rated on a 1 to 5 scale, with 5 indicating very vigorous vines.
- ⁴Vine size is rated on a 1 to 5 scale, with 5 indicating very large vines.
- ⁵Vine maturity is rated on the following basis: 1=very early; 2=early; 3=medium; 4=late; and 5=very late.
- ⁶Blackspot was rated on a 1 to 5 scale, with 5 indicating no discoloration.
- ⁷Tubers were stored at 45F for approximately 3 months.
- ⁸Days from harvest to first visible growth. Tubers were stored at 45F.
- ⁹Degree of darkening rated at 60 minutes after slicing fresh lengthwise. Rated on a 1 to 5 scale, with 5 indicating no discoloration.
- ¹⁰Chip color was rated using the Snack Food Association 1-5 scale. Ratings of <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 <2.0 are acceptable.
- ¹¹Fry 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.

Figure 1. Photographs of advanced selections.



Figure 1 (cont'd). Photographs of advanced selections.



Figure 1 (cont'd). Photographs of advanced selections.



Figure 1 (cont'd). Photographs of advanced selections.

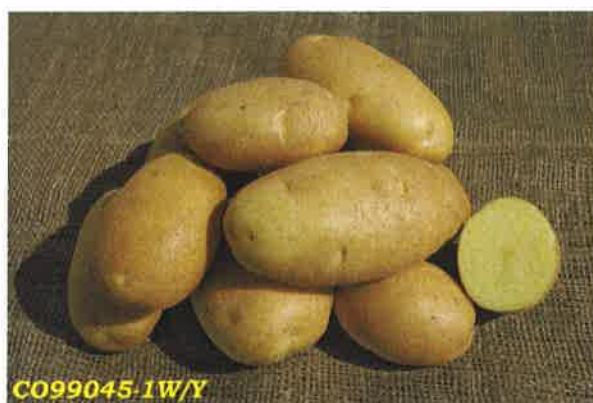


Figure 1 (cont'd). Photographs of advanced selections.



Figure 1 (cont'd). Photographs of advanced selections.

