

2003 Western Regional Red/Specialty Potato Trial

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Description of Clones - 2003 Western Regional Red/Specialty Trial

| Clone/Variety | Parents | | Flower Color | Vine Size | Maturity | Tuber Shape | Skin Type | Entered By | Use | Seed | Year |
|----------------------------|---------------|--------------|---------------|-----------|------------|-------------|------------|------------|----------|------|------|
| | Female | Male | | | | | | | | | |
| Red/White Flesh | | | | | | | | | | | |
| 1 Dk. Red Norland | RedKote | ND626 | Red-purple | Sm | Early | Oval | Dk. Red | Check | Fresh | OR | *** |
| 2 Red LaSoda | Triumph | Katahdin | Red-purple | Med | Med | Oval | Lt. Red | Check | Fresh | OR | *** |
| 3 AO93487-2R | NDO3503-5 | Mazama | Red-purple | Med | Med/Early | Round | Lt. Red | OR | Fresh | OR | 2 |
| 4 AO96747-1R | A90601-2RD | A83350-9R | Red-purple | Med/Lg | Med/Late | Round | Dk. Red | OR | Fresh | OR | 2 |
| 5 AO96747-2R/Y | A90601-2RD | A83350-9R | Red-purple | Med | Med/Late | Round | Red/Purple | OR | Fresh | OR | 2 |
| 6 CO93037-6R | CO82177-9 | NDO4030-12 | Red-purple | Large | Med | Round | Red | CO | Fresh | CO | 1 |
| 7 CO94019-1R | AC82706-2R | NDO4030-12 | | Med | Med | Round | Dk. Red | CO | Fresh | CO | 1 |
| 8 NDC5281-2 | ND3196-1R | ND2224-5R | Dk Red-purple | Large | Med/Early | Oval | Dk. Red | CO | Fresh | OR | 3 |
| 9 NDTX4271-5R | NDTX1068-11R | ND2050-1R | Red-purple | Med | Med | Oval | Dk. Red | TX | Fresh | OR | 3 |
| 10 NDTX4304-1R | ND1562-4R | NDTX1068-11R | Red-purple | Sm/Med | Early/Late | Round | Red | TX | Fresh | CO | 2 |
| Red/Yellow Flesh | | | | | | | | | | | |
| 11 VCO967-2R/Y | Agria | Redsen | Red-purple | Med | Med/Early | Oval | Red | CO | Fr./Fry | CO | 1 |
| Red/Red Flesh | | | | | | | | | | | |
| 12 CO94183-1R/R | All Red | ND2109-7 | Red-purple | Med/Small | Med | Oval | Red | CO | Fr./Chip | CO | 1 |
| Purple/Purple Flesh | | | | | | | | | | | |
| 13 All Blue | ??? | ??? | Blue | Med/Lg | Med/Late | Long | Dk. Blue | Check | Fresh | OR | *** |
| 14 CO94165-3P/P | ND2008-2 | All Blue | Lt. Blue | Med/Small | Early | Oblong | Purple | CO | Fr./Chip | CO | 1 |
| Yellow/Yellow Flesh | | | | | | | | | | | |
| 15 Yukon Gold | Norgleam | W5279-4 | Pink | Med | Early | Oval | White | Check | Fresh | OR | *** |
| 16 NDA5507-3YF | Brodick | Yukon Gold | Red-purple | Med | Med/Early | Round | White | ID | Fr./Chip | ID | 1 |
| 17 TX1674-1W/Y | Russet Nugget | Delta Gold | Lavender | Med | Med/Early | Oblong | White | TX | Fresh | OR | 3 |
| 18 VC1002-3W/Y | Agria | Wischip | White | Large | Med. | Oval | White | CO | Fr./Fry | CO | 1 |
| 19 BTX1544-2W/Y | BO811-13 | Yukon Gold | White | Med | Med | Oval | White | TX | Fresh | CO | 1 |
| White/White Flesh | | | | | | | | | | | |
| 20 A92584-3BB | A86463-4 | NDA2031-2 | No Flower | Small | Early | Round | White | ID | Fresh | ID | 3 |

Cultural Management

Trial Information

| | |
|------------------|--|
| Trial Location | Kern County, CA |
| Cooperators | Voss, Phillips, Nunez Nunez, Johnston Farms |
| Irrigation | Sprinkler |
| Fertilizer | 240-180-180 |
| Planting date | February 17, 2003 |
| Vine kill date | June 6, 2003 |
| Vine kill method | Deficit Irrigation |
| Harvest date | June 24, 2003 |

Trial Chemical Applications

| Herbicides | Insecticides | Fungicides |
|------------|--------------|--------------|
| Eptam | | Dithane |
| Prowl | | Curzate |
| | | Bravo Ultrex |
| | | |
| | | |
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Trial Information

| | |
|------------------|----------------------------------|
| Trial Location | Tulelake, CA |
| Cooperators | Voss, Phillips Kirby, Carlson |
| Irrigation | Sprinkler |
| Fertilizer | 120-150-0 |
| Planting date | May 15, 2003 |
| Vine kill date | September 8, 2003 |
| Vine kill method | Reglone |
| Harvest date | October 2, 2003 |

Trial Chemical Applications

| Herbicides | Insecticides | Fungicides |
|------------|--------------|--------------------|
| Sencor | Monitor | Curzate |
| Matrix | | Dithane |
| | | Bravo Weather Stik |
| | | |
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Trial Information

| | |
|------------------|----------------------------|
| Trial Location | San Luis Valley, CO |
| Cooperators | Holm, Naranjo |
| Irrigation | Center Pivot |
| Fertilizer | 120-60-40-25-2.5(Zn) |
| Planting date | May 13, 2003 |
| Vine kill date | September 2, 2003 |
| Vine kill method | Sulfuric Acid |
| Harvest date | September 23, 2003 |

Trial Chemical Applications

| Herbicides | Insecticides | Fungicides |
|-------------|--------------|------------|
| Dual Magnum | Actara | Quadris |
| | Leverage | |
| | | |
| | | |
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Cultural Management

Trial Information

| | |
|------------------|--|
| Trial Location | Aberdeen, ID |
| Cooperators | Love, Salaiz, Bain, Novy Whitworth, Schneider |
| Irrigation | Sprinkler |
| Fertilizer | 180-80-250 |
| Planting date | April 28, 2003 |
| Vine kill date | August 3, 2003 |
| Vine kill method | Mechanical |
| Harvest date | August 18, 2003 |

Trial Chemical Applications

| Herbicides | Insecticides | Fungicides |
|------------|--------------|---------------|
| Sencor DF | Admire 2F | Bravo/Curzate |
| Matrix | | |
| Eptam 7E | | |
| | | |
| | | |
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| | | |

Trial Information

| | |
|------------------|----------------------|
| Trial Location | Corvallis, OR |
| Cooperators | Mosley, Yilma |
| Irrigation | Sprinkler |
| Fertilizer | 150-150-150-90 |
| Planting date | May 20, 2003 |
| Vine kill date | September 10, 2003 |
| Vine kill method | Reglone |
| Harvest date | September 20, 2003 |

Trial Chemical Applications

| Herbicides | Insecticides | Fungicides |
|------------|--------------|------------|
| Matrix | Thimet | Bravo |
| Prowl | Provado | Curzate |
| | | Quadris |
| | | |
| | | |
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Trial Information

| | |
|------------------|----------------------|
| Trial Location | Hermiston, OR |
| Cooperators | Hane, Leroux |
| Irrigation | Center Pivot |
| Fertilizer | 285-80-250-40-2(B) |
| Planting date | March 19, 2003 |
| Vine kill date | July 11, 2003 |
| Vine kill method | Enquik |
| Harvest date | July 28, 2003 |

Trial Chemical Applications

| Herbicides | Insecticides | Fungicides |
|------------|--------------|--------------|
| Eptam | MoCap | Vapam |
| Matrix | Admire | Ridomil Gold |
| | | Quadris |
| | | Bravo |
| | | Dithane |
| | | Rovral 4E |
| | | |
| | | |

Cultural Management

Trial Information

| | |
|------------------|--------------------------|
| Trial Location | Klamath Falls, OR |
| Cooperators | Rykbost, Charlton |
| Irrigation | Sprinkler |
| Fertilizer | 160-80-80-140 |
| Planting date | May 22, 2003 |
| Vine kill date | September 5, 2003 |
| Vine kill method | Reglone |
| Harvest date | October 2, 2003 |

Trial Chemical Applications

| Herbicides | Insecticides | Fungicides |
|------------|--------------|------------|
| Dual | Vydate CLV | Quadris |
| Prowl | Admire | Dithane |
| Matrix | Monitor | Bravo |
| | | Curzate |
| | | |
| | | |
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Trial Information

| | |
|------------------|-------------------------|
| Trial Location | Dalhart, TX |
| Cooperators | Miller, Scheuring, Koym |
| Irrigation | Center Pivot |
| Fertilizer | 265-158-160 |
| Planting date | May 7, 2003 |
| Vine kill date | September 5, 2003 |
| Vine kill method | Gramoxone, Mechanical |
| Harvest date | September 22, 2003 |

Trial Chemical Applications

| Herbicides | Insecticides | Fungicides |
|------------|--------------|-----------------------|
| Matrix | Admire | Platinum Ridomil Gold |
| Select | Baythroid | Quadris |
| Gramoxone | Monitor | Ultra Flourish |
| | | Bravo |
| | | Dithane |
| | | Supertin |
| | | |
| | | |

Trial Information

| | |
|------------------|-------------------------|
| Trial Location | Springlake, TX |
| Cooperators | Miller, Scheuring, Koym |
| Irrigation | Center Pivot |
| Fertilizer | 147-25-25 |
| Planting date | March 18, 2003 |
| Vine kill date | July 10, 2003 |
| Vine kill method | Mechanical |
| Harvest date | July 22, 2003 |

Trial Chemical Applications

| Herbicides | Insecticides | Fungicides |
|------------|--------------|------------|
| RoundUp | Dimethoate | Quadris |
| Treflan | | Bravo |
| Sencor | | |
| Dual | | |
| | | |
| | | |
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Cultural Management

Trial Information

| | |
|------------------|---------------------------|
| Trial Location | Granger, WA |
| Cooperators | Thornton, Knowles |
| | Newberry, Pavek, Driscoll |
| Irrigation | Furrow |
| Fertilizer | 110-110-70-10 |
| Planting date | March 20, 2003 |
| Vine kill date | July 1, 2003 |
| Vine kill method | Rely, Gramoxone |
| Harvest date | July 22, 2003 |

Trial Chemical Applications

| Herbicides | Insecticides | Fungicides |
|-------------|--------------|------------|
| Trifluralin | Ambush | |
| Eptam | | |
| Prowl | | |
| | | |
| | | |
| | | |
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| | | |

Table 1. Percent Stand and Stems/Hill

| Clone | Percent Stand | | | | | | | | | | | Stems/Hill | | | | | |
|----------------------------|-----------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| | CA | | CO | ID | OR | | | TX | | WA | Mean | CO | ID | OR | WA | Mean | |
| | KRN | TUL | SLV | AB | COR | HRM | KLM | DAL | SPR | GR | | SLV | AB | HRM | GR | | |
| Red/White Flesh | | | | | | | | | | | | | | | | | |
| 1 | Dk. Red Norland | 90 | 94 | 98 | 93 | 100 | 89 | 98 | 100 | 71 | 100 | 93 | 4.9 | 3.9 | 2.5 | 2.2 | 3.4 |
| 2 | Red LaSoda | 92 | 92 | 95 | 94 | 100 | 97 | 98 | 100 | 88 | 96 | 95 | 3.1 | 2.6 | 1.6 | 1.8 | 2.3 |
| 3 | AO93487-2R | 97 | 92 | 100 | 89 | 100 | 99 | 84 | 96 | 100 | 95 | 95 | 5.9 | 5.2 | 2.6 | 2.7 | 4.1 |
| 4 | AO96747-1R | 97 | 96 | 99 | 96 | 100 | 100 | 98 | 100 | 97 | 98 | 98 | 4.0 | 4.9 | 2.8 | 2.7 | 3.6 |
| 5 | AO96747-2R/Y | 89 | 89 | 95 | 89 | 100 | 98 | 97 | 100 | 94 | 96 | 95 | 2.9 | 3.4 | 1.6 | 1.8 | 2.4 |
| 6 | CO93037-6R | 92 | 91 | 98 | 96 | 100 | 98 | 92 | 100 | 98 | 99 | 96 | 5.0 | 4.3 | 3.0 | 2.6 | 3.7 |
| 7 | CO94019-1R | 68 | 88 | 89 | 86 | 100 | 88 | 93 | 79 | 93 | 88 | 87 | 3.3 | 3.3 | 1.8 | 2.0 | 2.6 |
| 8 | NDC5281-2 | 89 | 89 | 98 | 91 | 100 | 92 | 98 | 79 | 86 | 81 | 90 | 4.6 | 4.0 | 2.3 | 2.0 | 3.2 |
| 9 | NDTX4271-5R | 87 | 88 | 98 | 81 | 100 | 93 | 100 | 93 | 84 | 89 | 91 | 3.6 | 2.1 | 1.6 | 1.8 | 2.3 |
| 10 | NDTX4304-1R | 95 | 87 | 100 | 96 | 100 | 100 | 87 | 100 | 90 | 96 | 95 | 3.2 | 2.4 | 1.4 | 1.3 | 2.1 |
| Red/Yellow Flesh | | | | | | | | | | | | | | | | | |
| 11 | VCO967-2R/Y | 90 | 90 | 93 | 93 | 100 | 96 | 99 | 88 | 91 | 98 | 94 | 3.1 | 4.0 | 2.2 | 2.4 | 2.9 |
| Red/Red Flesh | | | | | | | | | | | | | | | | | |
| 12 | CO94183-1R/R | 97 | 94 | 100 | 94 | 100 | 99 | 94 | 100 | 98 | 99 | 98 | 3.8 | 4.2 | 2.8 | 2.5 | 3.3 |
| Purple/Purple Flesh | | | | | | | | | | | | | | | | | |
| 13 | All Blue | 84 | 99 | 100 | 92 | 100 | 99 | 97 | 100 | 95 | 100 | 97 | 5.2 | 3.9 | 2.3 | 2.3 | 3.4 |
| 14 | CO94165-3P/P | 99 | 97 | 94 | 97 | 100 | 96 | 98 | 100 | 98 | 96 | 98 | 4.5 | 4.5 | 3.5 | 2.6 | 3.8 |
| Yellow Flesh | | | | | | | | | | | | | | | | | |
| 15 | Yukon Gold | 96 | 94 | 99 | 96 | 100 | 98 | 92 | 100 | 97 | 82 | 95 | 1.9 | 2.7 | 1.2 | 1.5 | 1.8 |
| 16 | NDA5507-3YF | 86 | 92 | 91 | 94 | 100 | 97 | 97 | 100 | 94 | 99 | 95 | 2.8 | 3.1 | 1.9 | 2.2 | 2.5 |
| 17 | TX1674-1W/Y | 89 | 91 | 100 | 95 | 100 | 98 | 91 | 96 | 93 | 98 | 95 | 2.9 | 3.3 | 2.3 | 1.8 | 2.6 |
| 18 | VC1002-3W/Y | 94 | 94 | 94 | 85 | 100 | 98 | 93 | 100 | 95 | 99 | 95 | 4.2 | 4.7 | 2.3 | 2.6 | 3.5 |
| 19 | BTX1544-2W/Y | 91 | 93 | 97 | 94 | 100 | 98 | 97 | 100 | 84 | 99 | 95 | 2.0 | 1.8 | 1.2 | 1.1 | 1.5 |
| White/White Flesh | | | | | | | | | | | | | | | | | |
| 20 | A92584-3BB | 94 | 93 | 100 | 97 | 100 | 100 | 98 | 100 | 81 | 98 | 96 | 7.8 | 6.4 | 3.7 | 2.8 | 5.2 |
| Mean | | 91 | 92 | 97 | 92 | 100 | 97 | 95 | 97 | 91 | 95 | 95 | 3.9 | 3.7 | 2.2 | 2.1 | 3.0 |

Table 2. Vine Vigor and Vine Maturity

| Clone | Vine Size | | | | | | | | | Vine Maturity | | | | | | | | | |
|----------------------------|-----------------|------------|------------|------------|-------------|------------|-------------|------------|------------|---------------|------------|------------|------------|-------------|------------|-------------|------------|------------|------------|
| | CA | | CO | ID | OR | TX | | WA | Mean | CA | | CO | ID | OR | TX | | WA | Mean | |
| | KRN | TUL | SLV | AB | KLM | DAL | SPR | GR | | KRN | TUL | SLV | AB | KLM | DAL | SPR | GR | | |
| Red/White Flesh | | | | | | | | | | | | | | | | | | | |
| 1 | Dk. Red Norland | 3.5 | 3.5 | 2.0 | ---- | 3.5 | ---- | 2.6 | 4.0 | 3.2 | 1.8 | 1.3 | 2.0 | ---- | 2.3 | ---- | 2.8 | 5.0 | 2.5 |
| 2 | Red LaSoda | 3.0 | 3.3 | 3.5 | ---- | 2.8 | ---- | 3.0 | 4.5 | 3.4 | 2.8 | 2.3 | 3.0 | ---- | 2.8 | ---- | 3.5 | 5.0 | 3.2 |
| 3 | AO93487-2R | 4.0 | 3.5 | 2.8 | ---- | 4.3 | ---- | 3.2 | 3.8 | 3.6 | 1.0 | 1.0 | 2.3 | ---- | 1.3 | ---- | 1.3 | 5.0 | 2.0 |
| 4 | AO96747-1R | 4.0 | 3.3 | 2.8 | ---- | 3.3 | ---- | 2.2 | 4.3 | 3.3 | 2.3 | 2.0 | 3.0 | ---- | 2.8 | ---- | 2.3 | 5.0 | 2.9 |
| 5 | AO96747-2R/Y | 3.3 | 3.0 | 3.0 | ---- | 2.8 | ---- | 2.1 | 4.8 | 3.2 | 1.5 | 1.0 | 2.0 | ---- | 1.0 | ---- | 2.7 | 5.0 | 2.2 |
| 6 | CO93037-6R | 3.5 | 3.0 | 4.0 | ---- | 2.5 | ---- | 4.2 | 5.0 | 3.7 | 2.0 | 2.5 | 3.0 | ---- | 3.8 | ---- | 4.5 | 5.0 | 3.5 |
| 7 | CO94019-1R | 2.5 | 2.3 | 3.0 | ---- | 2.0 | ---- | 3.1 | 5.0 | 3.0 | 2.8 | 2.5 | 3.5 | ---- | 4.5 | ---- | 3.6 | 5.0 | 3.7 |
| 8 | NDC5281-2 | 3.5 | 2.0 | 2.5 | ---- | 2.8 | ---- | 2.6 | 4.3 | 3.0 | 1.0 | 1.3 | 2.0 | ---- | 2.0 | ---- | 2.7 | 5.0 | 2.3 |
| 9 | NDTX4271-5R | 3.0 | 2.8 | 2.8 | ---- | 2.5 | ---- | 3.0 | 4.3 | 3.1 | 1.5 | 1.5 | 3.0 | ---- | 2.5 | ---- | 2.9 | 5.0 | 2.7 |
| 10 | NDTX4304-1R | 3.8 | 3.0 | 2.0 | ---- | 2.0 | ---- | 2.6 | 5.0 | 3.1 | 1.8 | 1.5 | 2.8 | ---- | 3.3 | ---- | 2.8 | 5.0 | 2.9 |
| Red/Yellow Flesh | | | | | | | | | | | | | | | | | | | |
| 11 | VCO967-2R/Y | 3.5 | 3.5 | 3.0 | ---- | 4.0 | ---- | 3.2 | 4.5 | 3.6 | 2.0 | 1.3 | 3.0 | ---- | 1.8 | ---- | 3.5 | 5.0 | 2.8 |
| Red/Red Flesh | | | | | | | | | | | | | | | | | | | |
| 12 | CO94183-1R/R | 3.0 | 3.0 | 3.0 | ---- | 1.5 | ---- | 2.5 | 4.3 | 2.9 | 3.0 | 1.0 | 3.0 | ---- | 2.3 | ---- | 3.4 | 5.0 | 3.0 |
| Purple/Purple Flesh | | | | | | | | | | | | | | | | | | | |
| 13 | All Blue | 4.0 | 3.5 | 4.0 | ---- | 2.5 | ---- | 3.9 | 5.0 | 3.8 | 3.0 | 3.3 | 3.0 | ---- | 4.5 | ---- | 4.2 | 5.0 | 3.8 |
| 14 | CO94165-3P/P | 4.0 | 3.8 | 2.8 | ---- | 4.0 | ---- | 3.6 | 4.0 | 3.7 | 2.0 | 1.3 | 2.8 | ---- | 1.0 | ---- | 3.9 | 5.0 | 2.7 |
| Yellow Flesh | | | | | | | | | | | | | | | | | | | |
| 15 | Yukon Gold | 3.8 | 3.8 | 3.0 | ---- | 2.8 | ---- | 2.7 | 4.0 | 3.4 | 1.3 | 1.0 | 2.5 | ---- | 2.0 | ---- | 2.4 | 5.0 | 2.4 |
| 16 | NDA5507-3YF | 3.5 | 3.8 | 4.0 | ---- | 4.3 | ---- | 3.5 | 4.8 | 4.0 | 1.3 | 1.5 | 3.0 | ---- | 3.3 | ---- | 3.6 | 5.0 | 3.0 |
| 17 | TX1674-1W/Y | 3.8 | 3.0 | 3.3 | ---- | 2.8 | ---- | 3.1 | 5.0 | 3.5 | 2.0 | 1.8 | 3.3 | ---- | 3.0 | ---- | 3.5 | 5.0 | 3.1 |
| 18 | VC1002-3W/Y | 3.8 | 4.0 | 4.0 | ---- | 3.8 | ---- | 4.4 | 5.0 | 4.2 | 2.5 | 2.3 | 3.0 | ---- | 3.0 | ---- | 4.2 | 5.0 | 3.3 |
| 19 | BTX1544-2W/Y | 3.5 | 3.5 | 3.3 | ---- | 4.0 | ---- | 3.0 | 4.5 | 3.6 | 2.3 | 1.0 | 3.0 | ---- | 1.8 | ---- | 3.2 | 5.0 | 2.7 |
| White/White Flesh | | | | | | | | | | | | | | | | | | | |
| 20 | A92584-3BB | 4.0 | 3.5 | 3.3 | ---- | 5.0 | ---- | 3.2 | 4.0 | 3.8 | 1.8 | 2.3 | 3.0 | ---- | 2.8 | ---- | 3.5 | 4.0 | 2.9 |
| Mean | | 3.6 | 3.3 | 3.1 | ---- | 3.2 | ---- | 3.1 | 4.5 | 3.4 | 2.0 | 1.7 | 2.8 | ---- | 2.6 | ---- | 3.2 | 5.0 | 2.9 |

Table 3. Total Yield

| Clone | | Total Yield (cwt/A) | | | | | | | | | | Mean | Rank |
|----------------------------|-----------------|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------|
| | | CA | | CO | ID | OR | | | TX | | WA | | |
| | | KRN | TUL | SLV | AB | COR | HRM | KLM | DAL | SPR | GR | | |
| Red/White Flesh | | | | | | | | | | | | | |
| 1 | Dk. Red Norland | 516 | 408 | 344 | 406 | 433 | 519 | 515 | 215 | 298 | 378 | 403 | 8 |
| 2 | Red LaSoda | 544 | 443 | 622 | 456 | 467 | 574 | 576 | 301 | 341 | 427 | 475 | 2 |
| 3 | AO93487-2R | 566 | 362 | 464 | 411 | 386 | 613 | 479 | 169 | 350 | 399 | 420 | 7 |
| 4 | AO96747-1R | 587 | 421 | 457 | 433 | 496 | 552 | 534 | 301 | 304 | 416 | 450 | 6 |
| 5 | AO96747-2R/Y | 642 | 414 | 471 | 473 | 516 | 641 | 531 | 257 | 283 | 394 | 462 | 4 |
| 6 | CO93037-6R | 622 | 334 | 640 | 417 | 755 | 607 | 561 | 328 | 284 | 317 | 487 | 1 |
| 7 | CO94019-1R | 431 | 294 | 481 | 323 | 510 | 503 | 387 | 74 | 265 | 343 | 361 | 10 |
| 8 | NDC5281-2 | 572 | 301 | 361 | 382 | 458 | 548 | 535 | 224 | 228 | 313 | 392 | 9 |
| 9 | NDTX4271-5R | 617 | 461 | 451 | 376 | 514 | 535 | 578 | 321 | 301 | 417 | 457 | 5 |
| 10 | NDTX4304-1R | 629 | 435 | 396 | 436 | 446 | 570 | 626 | 329 | 337 | 478 | 468 | 3 |
| Red/Yellow Flesh | | | | | | | | | | | | | |
| 11 | VCO967-2R/Y | 468 | 354 | 478 | 437 | 470 | 527 | 456 | 229 | 221 | 274 | 391 | |
| Red/Red Flesh | | | | | | | | | | | | | |
| 12 | CO94183-1R/R | 444 | 317 | 407 | 323 | 393 | 399 | 396 | 282 | 191 | 266 | 342 | |
| Purple/Purple Flesh | | | | | | | | | | | | | |
| 13 | All Blue | 456 | 527 | 567 | 333 | 562 | 521 | 496 | 175 | 190 | 211 | 404 | 2 |
| 14 | CO94165-3P/P | 714 | 393 | 427 | 435 | 502 | 471 | 459 | 337 | 181 | 343 | 426 | 1 |
| Yellow Flesh | | | | | | | | | | | | | |
| 15 | Yukon Gold | 478 | 376 | 446 | 337 | 523 | 461 | 461 | 305 | 309 | 314 | 401 | 4 |
| 16 | NDA5507-3YF | 537 | 416 | 488 | 378 | 810 | 657 | 672 | 231 | 218 | 384 | 479 | 1 |
| 17 | TX1674-1W/Y | 517 | 339 | 465 | 353 | 494 | 507 | 484 | 212 | 310 | 322 | 400 | 5 |
| 18 | VC1002-3W/Y | 529 | 359 | 522 | 389 | 656 | 573 | 478 | 275 | 253 | 277 | 431 | 2 |
| 19 | BTX1544-2W/Y | 505 | 348 | 456 | 390 | 469 | 517 | 514 | 272 | 198 | 366 | 404 | 3 |
| White/White Flesh | | | | | | | | | | | | | |
| 20 | A92584-3BB | 549 | 350 | 458 | 394 | 576 | 556 | 496 | 255 | 280 | 287 | 420 | |
| Mean | | 546 | 383 | 470 | 394 | 522 | 543 | 512 | 255 | 267 | 346 | 424 | |

Table 4. Yield and Percent U.S. No. 1s (4-10 oz + > 10 oz)

| Clone | Yield and Percent U.S. NO. 1s > 4 oz (Cwt/A & %) | | | | | | | | | | Mean | Rank |
|----------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| | CA | | CO | ID | OR | | | TX | | WA | | |
| | KRN | TUL | SLV | AB | COR | HRM | KLM | DAL | SPR | GR | | |
| Red/White Flesh | | | | | | | | | | | | |
| 1 Dk. Red Norland | 495 | 317 | 296 | 329 | 321 | 449 | 422 | 150 | 207 | 316 | 330 | 6 |
| | 96 | 78 | 86 | 81 | 74 | 87 | 82 | 70 | 70 | 84 | 81 | 3 |
| 2 Red LaSoda | 532 | 363 | 555 | 385 | 369 | 531 | 465 | 255 | 287 | 360 | 410 | 1 |
| | 98 | 82 | 89 | 84 | 79 | 93 | 81 | 85 | 84 | 84 | 86 | 1 |
| 3 AO93487-2R | 530 | 245 | 368 | 242 | 301 | 543 | 423 | 93 | 143 | 292 | 318 | 8 |
| | 94 | 68 | 79 | 59 | 78 | 89 | 88 | 55 | 41 | 73 | 72 | 7 |
| 4 AO96747-1R | 553 | 275 | 354 | 304 | 355 | 364 | 434 | 173 | 186 | 304 | 330 | 6 |
| | 94 | 65 | 77 | 70 | 72 | 66 | 81 | 57 | 61 | 73 | 72 | 7 |
| 5 AO96747-2R/Y | 482 | 338 | 440 | 364 | 426 | 554 | 497 | 197 | 175 | 330 | 380 | 4 |
| | 75 | 82 | 93 | 77 | 83 | 86 | 94 | 77 | 62 | 84 | 81 | 3 |
| 6 CO93037-6R | 585 | 232 | 559 | 317 | 615 | 423 | 459 | 245 | 211 | 194 | 384 | 3 |
| | 94 | 69 | 87 | 76 | 81 | 70 | 82 | 75 | 74 | 61 | 77 | 6 |
| 7 CO94019-1R | 412 | 222 | 430 | 196 | 366 | 368 | 325 | 28 | 185 | 247 | 278 | 9 |
| | 96 | 76 | 89 | 61 | 72 | 73 | 84 | 38 | 70 | 72 | 73 | 9 |
| 8 NDC5281-2 | 516 | 193 | 223 | 213 | 328 | 389 | 443 | 138 | 93 | 214 | 275 | 10 |
| | 90 | 64 | 62 | 56 | 72 | 71 | 83 | 62 | 41 | 68 | 67 | 10 |
| 9 NDTX4271-5R | 592 | 357 | 388 | 318 | 409 | 436 | 507 | 261 | 182 | 323 | 377 | 5 |
| | 96 | 77 | 86 | 85 | 80 | 81 | 88 | 81 | 60 | 77 | 81 | 3 |
| 10 NDTX4304-1R | 609 | 353 | 342 | 364 | 329 | 479 | 545 | 246 | 251 | 395 | 391 | 2 |
| | 97 | 81 | 86 | 83 | 74 | 84 | 87 | 75 | 75 | 83 | 83 | 2 |
| Red/Yellow Flesh | | | | | | | | | | | | |
| 11 VCO967-2R/Y | 437 | 214 | 446 | 320 | 341 | 412 | 348 | 144 | 93 | 194 | 295 | |
| | 93 | 61 | 93 | 73 | 73 | 78 | 76 | 63 | 42 | 71 | 72 | |
| Red/Red Flesh | | | | | | | | | | | | |
| 12 CO94183-1R/R | 417 | 176 | 305 | 151 | 288 | 243 | 314 | 228 | 53 | 172 | 235 | |
| | 94 | 55 | 75 | 47 | 73 | 61 | 79 | 81 | 28 | 65 | 66 | |
| Purple/Purple Flesh | | | | | | | | | | | | |
| 13 All Blue | 417 | 248 | 418 | 82 | 239 | 217 | 337 | 47 | 27 | 117 | 215 | 2 |
| | 91 | 47 | 74 | 25 | 43 | 42 | 68 | 27 | 14 | 55 | 49 | 2 |
| 14 CO94165-3P/P | 653 | 169 | 302 | 149 | 301 | 311 | 312 | 130 | 11 | 242 | 258 | 1 |
| | 91 | 43 | 71 | 34 | 60 | 66 | 68 | 39 | 6 | 71 | 55 | 1 |
| Yellow Flesh | | | | | | | | | | | | |
| 15 Yukon Gold | 465 | 317 | 421 | 280 | 427 | 405 | 422 | 236 | 215 | 272 | 346 | 2 |
| | 97 | 84 | 94 | 83 | 82 | 88 | 92 | 77 | 70 | 87 | 85 | 1 |
| 16 NDA5507-3YF | 522 | 232 | 442 | 229 | 675 | 525 | 584 | 136 | 148 | 315 | 381 | 1 |
| | 97 | 78 | 91 | 61 | 83 | 80 | 87 | 59 | 68 | 82 | 79 | 3 |
| 17 TX1674-1W/Y | 500 | 260 | 433 | 241 | 363 | 401 | 405 | 135 | 219 | 258 | 322 | 4 |
| | 97 | 77 | 93 | 68 | 73 | 79 | 84 | 63 | 70 | 80 | 78 | 4 |
| 18 VC1002-3W/Y | 472 | 146 | 355 | 140 | 478 | 377 | 352 | 118 | 83 | 150 | 267 | 5 |
| | 89 | 41 | 68 | 36 | 73 | 66 | 74 | 43 | 33 | 54 | 58 | 5 |
| 19 BTX1544-2W/Y | 485 | 261 | 404 | 329 | 333 | 456 | 450 | 207 | 131 | 305 | 336 | 3 |
| | 96 | 75 | 89 | 84 | 71 | 88 | 88 | 76 | 66 | 83 | 82 | 2 |
| White/White Flesh | | | | | | | | | | | | |
| 20 A92584-3BB | 525 | 202 | 330 | 214 | 393 | 401 | 316 | 90 | 88 | 147 | 271 | |
| | 96 | 58 | 72 | 54 | 68 | 72 | 64 | 35 | 31 | 51 | 60 | |
| Mean | 510 | 256 | 391 | 258 | 383 | 414 | 418 | 163 | 149 | 257 | 320 | |
| | 93 | 68 | 82 | 64 | 73 | 75 | 81 | 61 | 53 | 72 | 72 | |

Table 5. Yield and Percent U.S. No. 1s (< 4oz + 4-10 oz)

| Clone | Yield and Percent U.S. No. 1s (<4 oz - 10 oz) (Cwt/A & %) | | | | | | | | | | Mean | Rank |
|----------------------------|---|-------|-------|-------|-------|-------|-------|-------|-----|-------|------|------|
| | CA | | CO | ID | OR | | | TX | | WA | | |
| | KRN | TUL | SLV | AB | COR | HRM | KLM | DAL | SPR | GR | | |
| Red/White Flesh | | | | | | | | | | | | |
| 1 Dk. Red Norland | 447 | 285 | 250 | 330 | 211 | 410 | 264 | 193 | 277 | 236 | 290 | 9 |
| | 87 | 70 | 73 | 81 | 49 | 79 | 51 | 90 | 93 | 63 | 74 | 8 |
| 2 Red LaSoda | 497 | 292 | 254 | 269 | 181 | 370 | 180 | 230 | 282 | 224 | 278 | 10 |
| | 91 | 66 | 41 | 59 | 39 | 64 | 31 | 76 | 83 | 53 | 60 | 10 |
| 3 AO93487-2R | 542 | 325 | 408 | 405 | 241 | 530 | 350 | 166 | 346 | 308 | 362 | 3 |
| | 96 | 90 | 88 | 99 | 63 | 86 | 73 | 99 | 99 | 77 | 87 | 3 |
| 4 AO96747-1R | 571 | 397 | 393 | 381 | 334 | 527 | 400 | 301 | 300 | 336 | 394 | 1 |
| | 97 | 94 | 86 | 88 | 67 | 95 | 75 | 100 | 99 | 81 | 88 | 2 |
| 5 AO96747-2R/Y | 622 | 380 | 305 | 442 | 250 | 514 | 302 | 237 | 277 | 274 | 360 | 4 |
| | 97 | 92 | 65 | 93 | 48 | 80 | 57 | 92 | 98 | 70 | 79 | 5 |
| 6 CO93037-6R | 583 | 299 | 397 | 300 | 310 | 575 | 421 | 295 | 256 | 258 | 369 | 2 |
| | 94 | 90 | 62 | 72 | 41 | 95 | 75 | 90 | 90 | 81 | 79 | 5 |
| 7 CO94019-1R | 431 | 248 | 373 | 321 | 273 | 477 | 290 | 74 | 264 | 307 | 306 | 7 |
| | 100 | 84 | 78 | 99 | 53 | 95 | 75 | 100 | 100 | 90 | 87 | 3 |
| 8 NDC5281-2 | 560 | 287 | 355 | 375 | 293 | 511 | 429 | 212 | 221 | 272 | 352 | 5 |
| | 98 | 95 | 98 | 98 | 64 | 93 | 80 | 95 | 97 | 87 | 91 | 1 |
| 9 NDTX4271-5R | 602 | 370 | 308 | 291 | 229 | 427 | 321 | 298 | 294 | 255 | 340 | 6 |
| | 98 | 80 | 68 | 77 | 45 | 80 | 56 | 93 | 98 | 61 | 76 | 7 |
| 10 NDTX4304-1R | 525 | 283 | 252 | 223 | 219 | 407 | 282 | 302 | 303 | 183 | 298 | 8 |
| | 84 | 65 | 64 | 51 | 49 | 71 | 45 | 92 | 90 | 38 | 65 | 9 |
| Red/Yellow Flesh | | | | | | | | | | | | |
| 11 VCO967-2R/Y | 465 | 332 | 337 | 415 | 330 | 503 | 379 | 215 | 218 | 237 | 343 | |
| | 99 | 94 | 71 | 95 | 70 | 95 | 83 | 94 | 99 | 87 | 89 | |
| Red/Red Flesh | | | | | | | | | | | | |
| 12 CO94183-1R/R | 416 | 306 | 373 | 312 | 279 | 372 | 280 | 261 | 184 | 251 | 303 | |
| | 94 | 96 | 92 | 97 | 71 | 93 | 71 | 93 | 96 | 95 | 90 | |
| Purple/Purple Flesh | | | | | | | | | | | | |
| 13 All Blue | 448 | 457 | 486 | 328 | 186 | 465 | 381 | 164 | 179 | 201 | 330 | 2 |
| | 98 | 87 | 86 | 98 | 33 | 89 | 77 | 93 | 94 | 95 | 85 | 2 |
| 14 CO94165-3P/P | 706 | 359 | 406 | 426 | 311 | 461 | 426 | 332 | 140 | 279 | 385 | 1 |
| | 99 | 91 | 95 | 98 | 62 | 98 | 93 | 99 | 77 | 81 | 89 | 1 |
| Yellow Flesh | | | | | | | | | | | | |
| 15 Yukon Gold | 455 | 304 | 223 | 277 | 238 | 327 | 240 | 279 | 301 | 186 | 283 | 4 |
| | 95 | 81 | 50 | 82 | 46 | 71 | 52 | 92 | 97 | 59 | 73 | 4 |
| 16 NDA5507-3YF | 510 | 389 | 346 | 369 | 359 | 509 | 462 | 225 | 211 | 267 | 365 | 2 |
| | 95 | 94 | 71 | 98 | 44 | 77 | 69 | 98 | 96 | 69 | 81 | 2 |
| 17 TX1674-1W/Y | 449 | 282 | 303 | 306 | 231 | 469 | 319 | 210 | 258 | 255 | 308 | 3 |
| | 87 | 83 | 65 | 87 | 47 | 93 | 66 | 99 | 83 | 79 | 79 | 3 |
| 18 VC1002-3W/Y | 529 | 353 | 491 | 387 | 397 | 551 | 433 | 275 | 252 | 258 | 393 | 1 |
| | 100 | 98 | 94 | 99 | 61 | 96 | 91 | 100 | 99 | 93 | 93 | 1 |
| 19 BTX1544-2W/Y | 421 | 293 | 290 | 234 | 208 | 426 | 333 | 246 | 187 | 193 | 283 | 4 |
| | 83 | 84 | 64 | 60 | 44 | 82 | 65 | 90 | 94 | 53 | 72 | 5 |
| White/White Flesh | | | | | | | | | | | | |
| 20 A92584-3BB | 543 | 337 | 436 | 382 | 386 | 537 | 465 | 246 | 250 | 258 | 384 | |
| | 99 | 96 | 95 | 97 | 67 | 97 | 94 | 97 | 89 | 90 | 92 | |
| Mean | 516.1 | 328.9 | 349.3 | 338.7 | 273.3 | 468.4 | 347.9 | 238.1 | 250 | 251.9 | 336 | |
| | 95 | 87 | 75 | 86 | 53 | 86 | 69 | 94 | 94 | 75 | 81 | |

Table 6. Yield and Percent U.S. No. 1s > 10 oz

| Clone | Yield and Percent U.S. NO. 1s > 10 oz (Cwt/A & %) | | | | | | | | | | | Mean | Rank |
|----------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|------|------|
| | CA | | CO | ID | OR | | | TX | | WA | | | |
| | KRN | TUL | SLV | AB | COR | HRM | KLM | DAL | SPR | GR | | | |
| Red/White Flesh | | | | | | | | | | | | | |
| 1 | Dk. Red Norland | 63 | 93 | 91 | 65 | 129 | 96 | 193 | 22 | 11 | 124 | 89 | 6 |
| | | 12 | 23 | 26 | 16 | 30 | 18 | 37 | 10 | 4 | 33 | 21 | 3 |
| 2 | Red LaSoda | 46 | 111 | 333 | 162 | 204 | 197 | 305 | 71 | 57 | 170 | 166 | 1 |
| | | 8 | 25 | 54 | 36 | 44 | 34 | 53 | 24 | 17 | 40 | 34 | 1 |
| 3 | AO93487-2R | 23 | 33 | 54 | 5 | 83 | 78 | 125 | 2 | 0 | 75 | 48 | 7 |
| | | 4 | 9 | 12 | 1 | 22 | 13 | 26 | 1 | 0 | 19 | 11 | 7 |
| 4 | AO96747-1R | 15 | 13 | 60 | 47 | 54 | 8 | 115 | 0 | 3 | 65 | 38 | 9 |
| | | 3 | 3 | 13 | 11 | 11 | 1 | 22 | 0 | 1 | 16 | 8 | 9 |
| 5 | AO96747-2R/Y | 20 | 28 | 165 | 29 | 200 | 111 | 217 | 21 | 4 | 112 | 91 | 5 |
| | | 3 | 7 | 35 | 6 | 39 | 17 | 41 | 8 | 1 | 29 | 19 | 5 |
| 6 | CO93037-6R | 30 | 27 | 235 | 101 | 330 | 18 | 109 | 33 | 25 | 35 | 94 | 3 |
| | | 5 | 8 | 37 | 24 | 44 | 3 | 19 | 10 | 9 | 11 | 17 | 6 |
| 7 | CO94019-1R | 0 | 39 | 108 | 2 | 132 | 15 | 86 | 0 | 0 | 28 | 41 | 8 |
| | | 0 | 13 | 22 | 1 | 26 | 3 | 22 | 0 | 0 | 8 | 10 | 8 |
| 8 | NDC5281-2 | 9 | 2 | 6 | 2 | 66 | 14 | 84 | 12 | 0 | 28 | 22 | 10 |
| | | 2 | 1 | 2 | 1 | 14 | 3 | 16 | 5 | 0 | 9 | 5 | 10 |
| 9 | NDTX4271-5R | 7 | 55 | 137 | 77 | 204 | 87 | 232 | 23 | 2 | 119 | 94 | 3 |
| | | 1 | 12 | 30 | 20 | 40 | 16 | 40 | 7 | 1 | 29 | 20 | 4 |
| 10 | NDTX4304-1R | 104 | 115 | 142 | 178 | 129 | 149 | 287 | 26 | 25 | 257 | 141 | 2 |
| | | 16 | 26 | 36 | 41 | 29 | 26 | 46 | 8 | 7 | 54 | 29 | 2 |
| Red/Yellow Flesh | | | | | | | | | | | | | |
| 11 | VCO967-2R/Y | 3 | 13 | 140 | 19 | 37 | 9 | 49 | 14 | 0 | 26 | 31 | |
| | | 1 | 4 | 29 | 4 | 8 | 2 | 11 | 6 | 0 | 9 | 7 | |
| Red/Red Flesh | | | | | | | | | | | | | |
| 12 | CO94183-1R/R | 28 | 3 | 29 | 4 | 38 | 9 | 80 | 20 | 0 | 4 | 22 | |
| | | 6 | 1 | 7 | 1 | 10 | 2 | 20 | 7 | 0 | 1 | 6 | |
| Purple/Purple Flesh | | | | | | | | | | | | | |
| 13 | All Blue | 7 | 4 | 81 | 0 | 96 | 4 | 41 | 12 | 0 | 7 | 25 | 1 |
| | | 2 | 1 | 14 | 0 | 17 | 1 | 8 | 7 | 0 | 3 | 5 | 1 |
| 14 | CO94165-3P/P | 8 | 13 | 21 | 5 | 28 | 3 | 17 | 4 | 0 | 51 | 15 | 2 |
| | | 1 | 3 | 5 | 1 | 6 | 1 | 4 | 1 | 0 | 15 | 4 | 2 |
| Yellow Flesh | | | | | | | | | | | | | |
| 15 | Yukon Gold | 23 | 65 | 220 | 52 | 207 | 120 | 205 | 26 | 6 | 113 | 104 | 1 |
| | | 5 | 17 | 49 | 15 | 40 | 26 | 44 | 8 | 2 | 36 | 24 | 1 |
| 16 | NDA5507-3YF | 27 | 20 | 136 | 7 | 342 | 78 | 183 | 6 | 6 | 101 | 91 | 3 |
| | | 5 | 5 | 28 | 2 | 42 | 12 | 27 | 2 | 3 | 26 | 15 | 4 |
| 17 | TX1674-1W/Y | 66 | 47 | 159 | 41 | 153 | 15 | 124 | 2 | 18 | 56 | 68 | 4 |
| | | 13 | 14 | 34 | 12 | 31 | 3 | 26 | 1 | 6 | 18 | 16 | 3 |
| 18 | VC1002-3W/Y | 0 | 1 | 28 | 1 | 102 | 8 | 30 | 0 | 0 | 17 | 19 | 5 |
| | | 0 | 0 | 5 | 0 | 15 | 1 | 6 | 0 | 0 | 6 | 3 | 5 |
| 19 | BTX1544-2W/Y | 76 | 35 | 139 | 133 | 151 | 77 | 155 | 26 | 1 | 142 | 94 | 2 |
| | | 15 | 10 | 30 | 34 | 32 | 15 | 30 | 10 | 0 | 39 | 22 | 2 |
| White/White Flesh | | | | | | | | | | | | | |
| 20 | A92584-3BB | 6 | 8 | 18 | 5 | 42 | 4 | 18 | 9 | 0 | 17 | 13 | |
| | | 1 | 2 | 4 | 1 | 7 | 1 | 4 | 3 | 0 | 6 | 3 | |
| Mean | | 26 | 36 | 114 | 42 | 136 | 54 | 132 | 16 | 8 | 74 | 64 | |
| | | 5 | 9 | 23 | 10 | 25 | 10 | 25 | 6 | 3 | 19 | 13 | |

Table 7. Yield and Percent U.S. No. 1s 6-10 oz

| Clone | Yield and Percent U.S. NO. 1s 6-10 oz (Cwt/A & %) | | | | | | | | | | | Mean | Rank |
|----------------------------|---|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| | CA | | CO | ID | OR | | | TX | | WA | | | |
| | KRN | TUL | SLV* | AB | COR | HRM | KLM | DAL | SPR | GR | | | |
| Red/White Flesh | | | | | | | | | | | | | |
| 1 | Dk. Red Norland | 319 | 151 | 205 | 170 | 131 | 233 | 143 | 57 | 73 | 126 | 156 | 6 |
| | | 62 | 37 | 60 | 42 | 30 | 45 | 28 | 27 | 25 | 33 | 37 | 3 |
| 2 | Red LaSoda | 381 | 189 | 222 | 169 | 126 | 248 | 105 | 103 | 119 | 135 | 175 | 2 |
| | | 70 | 43 | 36 | 37 | 27 | 43 | 18 | 34 | 35 | 32 | 38 | 1 |
| 3 | AO93487-2R | 310 | 90 | 314 | 85 | 140 | 286 | 183 | 36 | 11 | 135 | 142 | 7 |
| | | 55 | 25 | 68 | 21 | 36 | 47 | 38 | 21 | 3 | 34 | 31 | 7 |
| 4 | AO96747-1R | 258 | 133 | 294 | 149 | 178 | 111 | 167 | 58 | 44 | 135 | 137 | 8 |
| | | 44 | 31 | 64 | 34 | 36 | 20 | 31 | 19 | 14 | 32 | 29 | 8 |
| 5 | AO96747-2R/Y | 238 | 209 | 275 | 197 | 166 | 263 | 197 | 99 | 38 | 143 | 172 | 3 |
| | | 37 | 50 | 58 | 42 | 32 | 41 | 37 | 38 | 13 | 36 | 36 | 4 |
| 6 | CO93037-6R | 325 | 139 | 324 | 137 | 219 | 143 | 185 | 121 | 69 | 75 | 157 | 5 |
| | | 52 | 42 | 51 | 33 | 29 | 24 | 33 | 37 | 24 | 24 | 33 | 6 |
| 7 | CO94019-1R | 239 | 98 | 322 | 61 | 166 | 132 | 132 | 12 | 26 | 125 | 110 | 10 |
| | | 55 | 33 | 67 | 19 | 33 | 26 | 34 | 16 | 10 | 36 | 29 | 8 |
| 8 | NDC5281-2 | 228 | 80 | 217 | 78 | 195 | 168 | 187 | 40 | 7 | 101 | 120 | 9 |
| | | 40 | 26 | 60 | 20 | 43 | 31 | 35 | 18 | 3 | 32 | 28 | 10 |
| 9 | NDTX4271-5R | 384 | 204 | 251 | 165 | 153 | 207 | 163 | 132 | 51 | 137 | 177 | 1 |
| | | 62 | 44 | 56 | 44 | 30 | 39 | 28 | 41 | 17 | 33 | 38 | 1 |
| 10 | NDTX4304-1R | 367 | 181 | 200 | 140 | 134 | 215 | 172 | 107 | 95 | 99 | 168 | 4 |
| | | 58 | 42 | 51 | 32 | 30 | 38 | 27 | 33 | 28 | 21 | 34 | 5 |
| Red/Yellow Flesh | | | | | | | | | | | | | |
| 11 | VCO967-2R/Y | 244 | 90 | 306 | 172 | 210 | 145 | 156 | 33 | 12 | 98 | 129 | |
| | | 52 | 26 | 64 | 39 | 45 | 28 | 34 | 15 | 6 | 36 | 31 | |
| Red/Red Flesh | | | | | | | | | | | | | |
| 12 | CO94183-1R/R | 203 | 66 | 276 | 45 | 140 | 101 | 137 | 100 | 3 | 79 | 97 | |
| | | 46 | 21 | 68 | 14 | 36 | 25 | 35 | 35 | 2 | 30 | 27 | |
| Purple/Purple Flesh | | | | | | | | | | | | | |
| 13 | All Blue | 300 | 82 | 337 | 26 | 106 | 55 | 148 | 12 | 3 | 46 | 86 | 2 |
| | | 66 | 16 | 59 | 8 | 19 | 11 | 30 | 7 | 2 | 22 | 20 | 2 |
| 14 | CO94165-3P/P | 433 | 60 | 281 | 42 | 136 | 113 | 123 | 45 | 0 | 106 | 118 | 1 |
| | | 61 | 15 | 66 | 10 | 27 | 24 | 27 | 13 | 0 | 31 | 23 | 1 |
| Yellow Flesh | | | | | | | | | | | | | |
| 15 | Yukon Gold | 311 | 163 | 201 | 147 | 160 | 194 | 121 | 109 | 93 | 119 | 157 | 3 |
| | | 65 | 43 | 45 | 44 | 31 | 42 | 26 | 36 | 30 | 38 | 39 | 1 |
| 16 | NDA5507-3YF | 360 | 173 | 306 | 113 | 265 | 257 | 208 | 59 | 30 | 133 | 178 | 1 |
| | | 67 | 42 | 63 | 30 | 33 | 39 | 31 | 26 | 14 | 35 | 35 | 3 |
| 17 | TX1674-1W/Y | 321 | 130 | 274 | 97 | 158 | 185 | 148 | 59 | 56 | 121 | 142 | 4 |
| | | 62 | 38 | 59 | 27 | 32 | 36 | 31 | 28 | 18 | 38 | 34 | 4 |
| 18 | VC1002-3W/Y | 188 | 59 | 327 | 37 | 273 | 130 | 129 | 34 | 9 | 63 | 102 | 5 |
| | | 35 | 16 | 63 | 10 | 42 | 23 | 27 | 12 | 4 | 23 | 21 | 5 |
| 19 | BTX1544-2W/Y | 322 | 148 | 265 | 138 | 123 | 267 | 172 | 94 | 42 | 119 | 158 | 2 |
| | | 64 | 42 | 58 | 35 | 26 | 52 | 33 | 34 | 21 | 32 | 38 | 2 |
| White/White Flesh | | | | | | | | | | | | | |
| 20 | A92584-3BB | 270 | 84 | 312 | 72 | 172 | 113 | 86 | 31 | 13 | 58 | 100 | |
| | | 49 | 24 | 68 | 18 | 30 | 20 | 17 | 12 | 4 | 20 | 22 | |
| Mean | | 299 | 125 | 276 | 111 | 170 | 174 | 152 | 66 | 40 | 107 | 138 | |
| | | 55 | 32 | 59 | 28 | 33 | 32 | 30 | 25 | 13 | 31 | 31 | |

* SLV Data includes 4-10 oz. (omitted from mean values)

Table 8. Yield and Percent U.S. No. 1s 4-6 oz

| Clone | Yield and Percent U.S. NO. 1s 4-6 oz (Cwt/A & %) | | | | | | | | | | | Mean | Rank |
|----------------------------|--|-----|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | CA | | CO | ID | OR | | | TX | | WA | | | |
| | KRN | TUL | SLV* | AB | COR | HRM | KLM | DAL | SPR | GR | | | |
| Red/White Flesh | | | | | | | | | | | | | |
| 1 | Dk. Red Norland | 113 | 73 | ---- | 94 | 62 | 120 | 86 | 71 | 123 | 66 | 90 | 9 |
| | | 22 | 18 | ---- | 23 | 14 | 23 | 17 | 33 | 41 | 17 | 23 | 8 |
| 2 | Red LaSoda | 105 | 63 | ---- | 54 | 38 | 86 | 55 | 81 | 111 | 55 | 72 | 10 |
| | | 19 | 14 | ---- | 12 | 8 | 15 | 10 | 27 | 33 | 13 | 17 | 10 |
| 3 | AO93487-2R | 196 | 121 | ---- | 152 | 78 | 179 | 115 | 55 | 132 | 83 | 123 | 4 |
| | | 35 | 34 | ---- | 37 | 20 | 29 | 24 | 33 | 38 | 21 | 30 | 4 |
| 4 | AO96747-1R | 280 | 129 | ---- | 108 | 122 | 245 | 152 | 114 | 138 | 104 | 155 | 1 |
| | | 48 | 31 | ---- | 25 | 25 | 44 | 28 | 38 | 45 | 25 | 34 | 1 |
| 5 | AO96747-2R/Y | 224 | 101 | ---- | 138 | 60 | 180 | 83 | 78 | 133 | 74 | 119 | 5 |
| | | 35 | 24 | ---- | 29 | 12 | 28 | 16 | 30 | 47 | 19 | 27 | 6 |
| 6 | CO93037-6R | 230 | 67 | ---- | 79 | 65 | 262 | 165 | 91 | 116 | 84 | 129 | 3 |
| | | 37 | 20 | ---- | 19 | 9 | 43 | 29 | 28 | 41 | 27 | 28 | 5 |
| 7 | CO94019-1R | 174 | 85 | ---- | 133 | 68 | 221 | 107 | 17 | 159 | 94 | 118 | 6 |
| | | 40 | 29 | ---- | 41 | 13 | 44 | 28 | 23 | 60 | 27 | 34 | 1 |
| 8 | NDC5281-2 | 280 | 111 | ---- | 133 | 67 | 207 | 172 | 86 | 86 | 86 | 136 | 2 |
| | | 49 | 37 | ---- | 35 | 15 | 38 | 32 | 38 | 38 | 27 | 34 | 1 |
| 9 | NDTX4271-5R | 201 | 97 | ---- | 76 | 52 | 142 | 112 | 105 | 129 | 67 | 109 | 7 |
| | | 33 | 21 | ---- | 20 | 10 | 27 | 19 | 33 | 43 | 16 | 25 | 7 |
| 10 | NDTX4304-1R | 139 | 57 | ---- | 46 | 65 | 115 | 86 | 112 | 132 | 38 | 88 | 9 |
| | | 22 | 13 | ---- | 11 | 15 | 20 | 14 | 34 | 39 | 8 | 20 | 9 |
| Red/Yellow Flesh | | | | | | | | | | | | | |
| 11 | VCO967-2R/Y | 190 | 111 | ---- | 129 | 93 | 258 | 143 | 96 | 81 | 71 | 130 | |
| | | 41 | 31 | ---- | 30 | 20 | 49 | 31 | 42 | 36 | 26 | 34 | |
| Red/Red Flesh | | | | | | | | | | | | | |
| 12 | CO94183-1R/R | 186 | 106 | ---- | 102 | 110 | 133 | 97 | 107 | 50 | 89 | 109 | |
| | | 42 | 34 | ---- | 32 | 28 | 33 | 24 | 38 | 26 | 34 | 32 | |
| Purple/Purple Flesh | | | | | | | | | | | | | |
| 13 | All Blue | 109 | 162 | ---- | 56 | 37 | 158 | 148 | 23 | 23 | 64 | 87 | 2 |
| | | 24 | 31 | ---- | 17 | 7 | 30 | 30 | 13 | 12 | 30 | 22 | 2 |
| 14 | CO94165-3P/P | 212 | 97 | ---- | 102 | 137 | 195 | 172 | 81 | 11 | 86 | 121 | 1 |
| | | 30 | 25 | ---- | 23 | 27 | 41 | 37 | 24 | 6 | 25 | 26 | 1 |
| Yellow Flesh | | | | | | | | | | | | | |
| 15 | Yukon Gold | 131 | 90 | ---- | 81 | 60 | 91 | 96 | 101 | 116 | 40 | 90 | 4 |
| | | 27 | 24 | ---- | 24 | 11 | 20 | 21 | 33 | 38 | 13 | 23 | 4 |
| 16 | NDA5507-3YF | 135 | 130 | ---- | 109 | 67 | 190 | 193 | 71 | 113 | 81 | 121 | 2 |
| | | 25 | 31 | ---- | 29 | 8 | 29 | 29 | 31 | 52 | 21 | 28 | 6 |
| 17 | TX1674-1W/Y | 113 | 84 | ---- | 103 | 52 | 201 | 133 | 73 | 145 | 80 | 109 | 3 |
| | | 22 | 25 | ---- | 29 | 11 | 40 | 27 | 34 | 47 | 25 | 29 | 2 |
| 18 | VC1002-3W/Y | 285 | 86 | ---- | 102 | 103 | 239 | 193 | 84 | 73 | 70 | 137 | 1 |
| | | 54 | 24 | ---- | 26 | 16 | 42 | 40 | 31 | 29 | 25 | 32 | 1 |
| 19 | BTX1544-2W/Y | 86 | 78 | ---- | 58 | 58 | 112 | 123 | 87 | 88 | 45 | 82 | 5 |
| | | 17 | 23 | ---- | 15 | 12 | 22 | 24 | 32 | 45 | 12 | 22 | 5 |
| White/White Flesh | | | | | | | | | | | | | |
| 20 | A92584-3BB | 249 | 109 | ---- | 137 | 180 | 284 | 212 | 50 | 76 | 72 | 152 | |
| | | 45 | 31 | ---- | 35 | 31 | 51 | 43 | 20 | 27 | 25 | 34 | |
| Mean | | 187 | 99 | ---- | 102 | 80 | 185 | 133 | 79 | 102 | 74 | 116 | |
| | | 34 | 26 | ---- | 26 | 16 | 34 | 26 | 31 | 37 | 22 | 28 | |

* SLV 4-6 oz included in 6-10 oz yield on Table 7.

Table 9. Yield and Percent < 4 oz

| Clone | Yield and Percent < 4 oz (Cwt/A & %) | | | | | | | | | | Mean | Rank | |
|----------------------------|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|----|
| | CA | | CO | ID | OR | | | TX | | WA | | | |
| | KRN | TUL | SLV | AB | COR | HRM | KLM | DAL | SPR | GR | | | |
| Red/White Flesh | | | | | | | | | | | | | |
| 1 | Dk. Red Norland | 15 | 61 | 45 | 66 | 19 | 57 | 36 | 65 | 81 | 45 | 49 | 8 |
| | | 3 | 15 | 13 | 16 | 4 | 11 | 7 | 30 | 27 | 12 | 14 | 7 |
| 2 | Red LaSoda | 11 | 40 | 32 | 46 | 17 | 36 | 21 | 46 | 52 | 35 | 34 | 10 |
| | | 2 | 9 | 5 | 10 | 4 | 6 | 4 | 15 | 15 | 8 | 8 | 10 |
| 3 | AO93487-2R | 36 | 114 | 94 | 168 | 23 | 65 | 52 | 76 | 203 | 91 | 92 | 3 |
| | | 6 | 32 | 20 | 41 | 6 | 11 | 11 | 45 | 58 | 23 | 26 | 2 |
| 4 | AO96747-1R | 33 | 135 | 99 | 124 | 34 | 171 | 82 | 128 | 118 | 98 | 103 | 1 |
| | | 6 | 32 | 22 | 29 | 7 | 31 | 15 | 43 | 39 | 24 | 25 | 3 |
| 5 | AO96747-2R/Y | 160 | 69 | 30 | 107 | 23 | 71 | 22 | 60 | 106 | 57 | 75 | 5 |
| | | 25 | 17 | 6 | 23 | 4 | 11 | 4 | 23 | 37 | 14 | 18 | 6 |
| 6 | CO93037-6R | 28 | 94 | 73 | 84 | 26 | 170 | 71 | 83 | 70 | 99 | 81 | 4 |
| | | 5 | 28 | 11 | 20 | 3 | 28 | 13 | 25 | 25 | 31 | 20 | 5 |
| 7 | CO94019-1R | 18 | 65 | 51 | 127 | 38 | 124 | 51 | 45 | 79 | 88 | 71 | 6 |
| | | 4 | 22 | 11 | 39 | 8 | 25 | 13 | 62 | 30 | 26 | 25 | 3 |
| 8 | NDC5281-2 | 53 | 96 | 138 | 164 | 31 | 136 | 70 | 86 | 128 | 86 | 94 | 2 |
| | | 9 | 32 | 38 | 43 | 7 | 25 | 13 | 38 | 56 | 27 | 28 | 1 |
| 9 | NDTX4271-5R | 18 | 69 | 57 | 50 | 24 | 78 | 47 | 61 | 114 | 51 | 57 | 7 |
| | | 3 | 15 | 13 | 13 | 5 | 15 | 8 | 19 | 38 | 12 | 14 | 7 |
| 10 | NDTX4304-1R | 19 | 45 | 52 | 37 | 20 | 77 | 24 | 83 | 76 | 45 | 47 | 9 |
| | | 3 | 10 | 13 | 8 | 4 | 14 | 4 | 25 | 23 | 10 | 11 | 9 |
| Red/Yellow Flesh | | | | | | | | | | | | | |
| 11 | VCO967-2R/Y | 31 | 131 | 31 | 114 | 26 | 100 | 81 | 85 | 125 | 69 | 85 | |
| | | 7 | 37 | 6 | 26 | 6 | 19 | 18 | 37 | 57 | 25 | 26 | |
| Red/Red Flesh | | | | | | | | | | | | | |
| 12 | CO94183-1R/R | 27 | 133 | 97 | 165 | 30 | 138 | 46 | 54 | 131 | 83 | 90 | |
| | | 6 | 42 | 24 | 51 | 8 | 35 | 12 | 19 | 68 | 31 | 30 | |
| Purple/Purple Flesh | | | | | | | | | | | | | |
| 13 | All Blue | 38 | 213 | 149 | 246 | 43 | 252 | 85 | 128 | 152 | 92 | 139 | 2 |
| | | 8 | 40 | 26 | 74 | 8 | 48 | 17 | 73 | 80 | 43 | 43 | 1 |
| 14 | CO94165-3P/P | 61 | 203 | 125 | 282 | 38 | 153 | 131 | 206 | 129 | 88 | 143 | 1 |
| | | 9 | 52 | 29 | 65 | 8 | 32 | 29 | 61 | 71 | 26 | 39 | 2 |
| Yellow Flesh | | | | | | | | | | | | | |
| 15 | Yukon Gold | 13 | 51 | 22 | 49 | 19 | 42 | 22 | 69 | 92 | 27 | 43 | 4 |
| | | 3 | 14 | 5 | 15 | 4 | 9 | 5 | 23 | 30 | 9 | 12 | 5 |
| 16 | NDA5507-3YF | 15 | 86 | 40 | 147 | 26 | 62 | 62 | 95 | 68 | 53 | 68 | 2 |
| | | 3 | 21 | 8 | 39 | 3 | 9 | 9 | 41 | 31 | 14 | 19 | 2 |
| 17 | TX1674-1W/Y | 15 | 68 | 29 | 106 | 21 | 83 | 38 | 78 | 57 | 53 | 58 | 3 |
| | | 3 | 20 | 6 | 30 | 4 | 16 | 8 | 37 | 18 | 17 | 17 | 3 |
| 18 | VC1002-3W/Y | 56 | 209 | 164 | 248 | 21 | 182 | 112 | 157 | 169 | 125 | 142 | 1 |
| | | 11 | 58 | 31 | 64 | 3 | 32 | 23 | 57 | 67 | 45 | 40 | 1 |
| 19 | BTX1544-2W/Y | 13 | 67 | 25 | 38 | 27 | 47 | 39 | 65 | 57 | 30 | 43 | 4 |
| | | 3 | 19 | 5 | 10 | 6 | 9 | 8 | 24 | 29 | 8 | 13 | 4 |
| White/White Flesh | | | | | | | | | | | | | |
| 20 | A92584-3BB | 24 | 144 | 124 | 173 | 35 | 140 | 168 | 164 | 162 | 128 | 126 | |
| | | 4 | 41 | 27 | 44 | 6 | 25 | 34 | 65 | 58 | 45 | 36 | |
| Mean | | 35 | 107 | 76 | 132 | 27 | 112 | 64 | 93 | 111 | 74 | 84 | |
| | | 6 | 28 | 17 | 34 | 5 | 21 | 13 | 39 | 44 | 23 | 24 | |

Table 10. Yield and Percent No. 2s & Culls

| Clone | Yield and Percent No. 2's & Culls (Cwt/A & %) | | | | | | | | | | | Mean | Rank |
|----------------------------|---|-----|-----|----|-----|-----|-----|-----|-----|----|----|------|------|
| | CA | | CO | ID | OR | | | TX | | WA | | | |
| | KRN | TUL | SLV | AB | COR | HRM | KLM | DAL | SPR | GR | | | |
| Red/White Flesh | | | | | | | | | | | | | |
| 1 | Dk. Red Norland | 6 | 30 | 3 | 11 | 93 | 11 | 58 | 0 | 10 | 17 | 26 | 3 |
| | | 1 | 7 | 1 | 3 | 21 | 2 | 11 | 0 | 3 | 5 | 6 | 2 |
| 2 | Red LaSoda | 1 | 40 | 35 | 25 | 81 | 6 | 92 | 0 | 1 | 33 | 31 | 2 |
| | | 0 | 9 | 6 | 5 | 17 | 1 | 16 | 0 | 0 | 8 | 6 | 2 |
| 3 | AO93487-2R | 1 | 3 | 2 | 1 | 61 | 5 | 4 | 0 | 3 | 16 | 10 | 10 |
| | | 0 | 1 | 0 | 0 | 16 | 1 | 1 | 0 | 1 | 4 | 3 | 8 |
| 4 | AO96747-1R | 1 | 12 | 4 | 5 | 107 | 18 | 19 | 0 | 1 | 14 | 20 | 7 |
| | | 0 | 3 | 1 | 1 | 22 | 3 | 4 | 0 | 0 | 3 | 4 | 6 |
| 5 | AO96747-2R/Y | 0 | 7 | 1 | 2 | 67 | 16 | 12 | 0 | 2 | 7 | 13 | 9 |
| | | 0 | 2 | 0 | 0 | 13 | 2 | 2 | 0 | 1 | 2 | 2 | 10 |
| 6 | CO93037-6R | 9 | 8 | 8 | 16 | 114 | 14 | 32 | 0 | 3 | 24 | 24 | 5 |
| | | 1 | 2 | 1 | 4 | 15 | 2 | 6 | 0 | 1 | 8 | 4 | 6 |
| 7 | CO94019-1R | 0 | 7 | 0 | 0 | 106 | 12 | 11 | 0 | 1 | 8 | 16 | 8 |
| | | 0 | 2 | 0 | 0 | 21 | 2 | 3 | 0 | 0 | 2 | 3 | 8 |
| 8 | NDC5281-2 | 2 | 13 | 0 | 5 | 99 | 23 | 23 | 0 | 8 | 14 | 21 | 6 |
| | | 0 | 4 | 0 | 1 | 22 | 4 | 4 | 0 | 3 | 4 | 5 | 4 |
| 9 | NDTX4271-5R | 7 | 35 | 6 | 8 | 81 | 21 | 25 | 0 | 5 | 43 | 25 | 4 |
| | | 1 | 8 | 1 | 2 | 16 | 4 | 4 | 0 | 2 | 10 | 5 | 4 |
| 10 | NDTX4304-1R | 0 | 37 | 2 | 35 | 98 | 13 | 57 | 0 | 9 | 37 | 32 | 1 |
| | | 0 | 9 | 1 | 8 | 22 | 2 | 9 | 0 | 3 | 8 | 7 | 1 |
| Red/Yellow Flesh | | | | | | | | | | | | | |
| 11 | VCO967-2R/Y | 0 | 9 | 1 | 3 | 103 | 14 | 27 | 0 | 3 | 11 | 19 | |
| | | 0 | 2 | 0 | 1 | 22 | 3 | 6 | 0 | 1 | 4 | 4 | |
| Red/Red Flesh | | | | | | | | | | | | | |
| 12 | CO94183-1R/R | 0 | 9 | 5 | 7 | 75 | 12 | 35 | 0 | 8 | 11 | 17 | |
| | | 0 | 3 | 1 | 2 | 19 | 3 | 9 | 0 | 4 | 4 | 5 | |
| Purple/Purple Flesh | | | | | | | | | | | | | |
| 13 | All Blue | 1 | 66 | 0 | 5 | 280 | 54 | 74 | 0 | 11 | 3 | 55 | 1 |
| | | 0 | 12 | 0 | 2 | 50 | 10 | 15 | 0 | 6 | 1 | 11 | 1 |
| 14 | CO94165-3P/P | 0 | 21 | 0 | 4 | 163 | 7 | 15 | 0 | 41 | 13 | 29 | 2 |
| | | 0 | 5 | 0 | 1 | 32 | 1 | 3 | 0 | 23 | 4 | 8 | 2 |
| Yellow Flesh | | | | | | | | | | | | | |
| 15 | Yukon Gold | 0 | 8 | 3 | 8 | 77 | 14 | 18 | 0 | 2 | 15 | 16 | 5 |
| | | 0 | 2 | 1 | 2 | 15 | 3 | 4 | 0 | 1 | 5 | 4 | 3 |
| 16 | NDA5507-3YF | 0 | 6 | 6 | 2 | 109 | 71 | 27 | 0 | 1 | 17 | 26 | 3 |
| | | 0 | 1 | 1 | 1 | 13 | 11 | 4 | 0 | 1 | 4 | 4 | 3 |
| 17 | TX1674-1W/Y | 2 | 11 | 3 | 6 | 110 | 23 | 41 | 0 | 35 | 11 | 27 | 1 |
| | | 0 | 3 | 1 | 2 | 22 | 5 | 8 | 0 | 11 | 3 | 6 | 1 |
| 18 | VC1002-3W/Y | 0 | 5 | 3 | 1 | 157 | 14 | 15 | 0 | 1 | 2 | 22 | 4 |
| | | | 1 | 1 | 0 | 24 | 2 | 3 | 0 | | 1 | 4 | 3 |
| 19 | BTX1544-2W/Y | 7 | 21 | 27 | 23 | 109 | 14 | 27 | 0 | 11 | 31 | 27 | 1 |
| | | 1 | 6 | 6 | 6 | 23 | 3 | 5 | 0 | 5 | 8 | 6 | 1 |
| White/White Flesh | | | | | | | | | | | | | |
| 20 | A92584-3BB | 0 | 5 | 4 | 7 | 148 | 15 | 13 | 0 | 30 | 12 | 26 | |
| | | 0 | 1 | 1 | 2 | 26 | 3 | 3 | 0 | 11 | 4 | 6 | |
| Mean | | 2 | 17 | 5 | 8 | 112 | 19 | 31 | 0 | 9 | 16 | 24 | |
| | | 0 | 4 | 1 | 2 | 21 | 3 | 6 | 0 | 4 | 4 | 5 | |

Table 11. Specific Gravity

| Clone | Specific Gravity | | | | | | | | | | Mean | Rank | |
|----------------------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------|--------------|--------------|--------------|----------|
| | CA | | CO | ID | OR | | | TX | | WA | | | |
| | KRN | TUL | SLV | AB | COR | HRM | KLM | DAL | SPR | GR | | | |
| Red/White Flesh | | | | | | | | | | | | | |
| 1 | Dk. Red Norland | 1.071 | 1.073 | 1.069 | 1.063 | 1.059 | 1.067 | 1.065 | ---- | 1.055 | 1.083 | 1.067 | 8 |
| 2 | Red LaSoda | 1.085 | 1.078 | 1.080 | 1.064 | 1.066 | 1.064 | 1.070 | ---- | 1.057 | 1.078 | 1.071 | 4 |
| 3 | AO93487-2R | 1.078 | 1.072 | 1.070 | 1.065 | 1.065 | 1.066 | 1.063 | ---- | 1.062 | 1.082 | 1.069 | 6 |
| 4 | AO96747-1R | 1.071 | 1.083 | 1.078 | 1.071 | 1.074 | 1.071 | 1.079 | ---- | 1.050 | 1.084 | 1.073 | 3 |
| 5 | AO96747-2R/Y | 1.071 | 1.063 | 1.064 | 1.060 | 1.057 | 1.058 | 1.061 | ---- | 1.055 | 1.076 | 1.063 | 9 |
| 6 | CO93037-6R | 1.081 | 1.083 | 1.080 | 1.068 | 1.077 | 1.066 | 1.080 | ---- | 1.056 | 1.079 | 1.074 | 2 |
| 7 | CO94019-1R | 1.079 | 1.075 | 1.075 | 1.065 | 1.071 | 1.060 | 1.076 | ---- | 1.053 | 1.075 | 1.070 | 5 |
| 8 | NDC5281-2 | 1.089 | 1.083 | 1.082 | 1.072 | 1.076 | 1.074 | 1.079 | ---- | 1.071 | 1.086 | 1.079 | 1 |
| 9 | NDTX4271-5R | 1.077 | 1.073 | ---- | 1.068 | 1.068 | 1.063 | 1.070 | ---- | 1.054 | 1.074 | 1.068 | 7 |
| 10 | NDTX4304-1R | 1.073 | 1.064 | 1.066 | 1.059 | 1.055 | 1.062 | 1.063 | ---- | 1.054 | 1.067 | 1.063 | 9 |
| Red/Yellow Flesh | | | | | | | | | | | | | |
| 11 | VCO967-2R/Y | 1.080 | 1.079 | 1.075 | 1.072 | 1.073 | 1.068 | 1.069 | ---- | 1.062 | 1.085 | 1.074 | |
| Red/Red Flesh | | | | | | | | | | | | | |
| 12 | CO94183-1R/R | 1.082 | 1.083 | 1.080 | 1.075 | 1.071 | 1.071 | 1.072 | ---- | 1.064 | 1.093 | 1.077 | |
| Purple/Purple Flesh | | | | | | | | | | | | | |
| 13 | All Blue | 1.083 | 1.086 | 1.081 | 1.074 | 1.075 | 1.073 | 1.081 | ---- | 1.060 | 1.087 | 1.078 | 2 |
| 14 | CO94165-3P/P | 1.087 | 1.082 | 1.085 | 1.074 | 1.080 | 1.074 | 1.079 | ---- | 1.062 | 1.091 | 1.079 | 1 |
| Yellow Flesh | | | | | | | | | | | | | |
| 15 | Yukon Gold | 1.085 | 1.089 | 1.086 | 1.082 | 1.081 | 1.081 | 1.087 | ---- | 1.066 | 1.098 | 1.084 | 2 |
| 16 | NDA5507-3YF | 1.076 | 1.083 | 1.080 | 1.073 | 1.079 | 1.071 | 1.083 | ---- | 1.062 | 1.085 | 1.077 | 4 |
| 17 | TX1674-1W/Y | 1.083 | 1.093 | 1.091 | 1.085 | 1.093 | 1.081 | 1.089 | ---- | 1.069 | 1.095 | 1.087 | 1 |
| 18 | VC1002-3W/Y | 1.085 | 1.096 | 1.095 | 1.084 | 1.086 | 1.073 | 1.087 | ---- | 1.064 | 1.094 | 1.085 | 3 |
| 19 | BTX1544-2W/Y | 1.088 | 1.078 | 1.080 | 1.072 | 1.077 | 1.072 | 1.076 | ---- | 1.061 | 1.087 | 1.077 | 4 |
| White/White Flesh | | | | | | | | | | | | | |
| 20 | A92584-3BB | 1.079 | 1.087 | 1.080 | 1.075 | 1.076 | 1.070 | 1.077 | ---- | 1.063 | 1.094 | 1.078 | |
| Mean | | 1.080 | 1.080 | 1.079 | 1.071 | 1.073 | 1.069 | 1.075 | ---- | 1.060 | 1.085 | 1.075 | |

Table 12. Average Tuber Size and Tubers/plant

| Clone | Average Tuber Size (oz) | | | | | | | | | Tubers/plant | | |
|----------------------------|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|------------|------------|
| | CA | ID | OR | | TX | | WA | Mean | OR | WA | Mean | |
| | TUL | AB | COR | HRM | DAL | SPR | GR | | HRM | GR | | |
| Red/White Flesh | | | | | | | | | | | | |
| 1 | Dk. Red Norland | 6.3 | 5.7 | 8.4 | 6.3 | 4.1 | 3.7 | 6.6 | 5.9 | 4.1 | 4.8 | 4.5 |
| 2 | Red LaSoda | 7.2 | 7.0 | 8.1 | 7.3 | 5.0 | 4.8 | 7.6 | 6.7 | 2.8 | 4.9 | 3.9 |
| 3 | AO93487-2R | 4.6 | 3.6 | 5.3 | 5.9 | 3.1 | 2.4 | 5.2 | 4.3 | 4.9 | 6.7 | 5.8 |
| 4 | AO96747-1R | 4.4 | 4.4 | 4.8 | 4.1 | 3.1 | 3.6 | 5.0 | 4.2 | 9.7 | 7.0 | 8.4 |
| 5 | AO96747-2R/Y | 5.7 | 4.8 | 7.5 | 6.0 | 4.3 | 2.8 | 6.0 | 5.3 | 5.3 | 5.7 | 5.5 |
| 6 | CO93037-6R | 4.7 | 5.0 | 7.8 | 4.2 | 4.0 | 3.7 | 4.3 | 4.8 | 9.9 | 6.2 | 8.1 |
| 7 | CO94019-1R | 4.8 | 3.9 | 4.9 | 4.3 | 2.2 | 3.4 | 4.8 | 4.0 | 9.0 | 6.8 | 7.9 |
| 8 | NDC5281-2 | 4.3 | 3.7 | 5.6 | 5.1 | 3.4 | 2.8 | 4.6 | 4.2 | 7.8 | 7.0 | 7.4 |
| 9 | NDTX4271-5R | 5.8 | 5.9 | 7.5 | 5.5 | 4.5 | 3.8 | 6.4 | 5.6 | 5.5 | 6.1 | 5.8 |
| 10 | NDTX4304-1R | 7.1 | 7.5 | 6.3 | 6.0 | 4.3 | 4.1 | 8.3 | 6.2 | 4.5 | 5.0 | 4.8 |
| Red/Yellow Flesh | | | | | | | | | | | | |
| 11 | VCO967-2R/Y | 4.1 | 4.7 | 5.1 | 4.7 | 3.3 | 2.7 | 5.0 | 4.2 | 7.7 | 4.7 | 6.2 |
| Red/Red Flesh | | | | | | | | | | | | |
| 12 | CO94183-1R/R | 3.9 | 3.3 | 4.6 | 3.9 | 4.3 | 2.5 | 4.3 | 3.8 | 7.3 | 5.2 | 6.3 |
| Purple/Purple Flesh | | | | | | | | | | | | |
| 13 | All Blue | 3.8 | 2.5 | 5.9 | 3.5 | 1.9 | 2.0 | 3.9 | 3.4 | 11.4 | 4.5 | 8.0 |
| 14 | CO94165-3P/P | 3.5 | 2.6 | 3.9 | 4.0 | 2.5 | 1.6 | 4.9 | 3.3 | 8.5 | 6.1 | 7.3 |
| Yellow Flesh | | | | | | | | | | | | |
| 15 | Yukon Gold | 7.0 | 5.7 | 8.5 | 6.6 | 4.3 | 4.5 | 7.2 | 6.3 | 3.0 | 4.4 | 3.7 |
| 16 | NDA5507-3YF | 5.2 | 4.0 | 7.9 | 5.9 | 3.4 | 3.3 | 6.1 | 5.1 | 6.0 | 5.3 | 5.7 |
| 17 | TX1674-1W/Y | 5.4 | 4.5 | 7.5 | 5.0 | 3.7 | 4.3 | 5.7 | 5.2 | 6.2 | 4.8 | 5.5 |
| 18 | VC1002-3W/Y | 3.3 | 2.7 | 6.0 | 4.0 | 2.8 | 2.4 | 3.9 | 3.6 | 10.2 | 6.0 | 8.1 |
| 19 | BTX1544-2W/Y | 5.4 | 6.5 | 6.5 | 6.1 | 4.4 | 3.8 | 7.4 | 5.7 | 3.5 | 4.2 | 3.9 |
| White/White Flesh | | | | | | | | | | | | |
| 20 | A92584-3BB | 3.8 | 3.6 | 4.5 | 3.9 | 2.7 | 2.9 | 3.8 | 3.6 | 10.1 | 6.5 | 8.3 |
| Mean | | 5.0 | 4.6 | 6.3 | 5.1 | 3.6 | 3.3 | 5.6 | 4.8 | 6.9 | 5.6 | 6.2 |

Table 13. Tuber Shape

| Clone | Tuber Shape (1 - 5 long) | | | | | | | | | | | L/W OR HRM | |
|----------------------------|--------------------------|-----|-----------|----------|-----|-----|-----|-----|-----|----------|------|------------------|------|
| | CA | | CO SLV | ID AB | OR | | | TX | | WA GR | Mean | | |
| | KRN | TUL | | | COR | HRM | KLM | DAL | SPR | | | | |
| Red/White Flesh | | | | | | | | | | | | | |
| 1 | Dk. Red Norland | 2.8 | 2.0 | 2.0 | 2.3 | 2.0 | 2.0 | 2.0 | 3.5 | 2.9 | 2.6 | 2.4 | 1.17 |
| 2 | Red LaSoda | 2.0 | 1.8 | 2.0 | 2.5 | 2.0 | 1.5 | 2.0 | 3.5 | 3.5 | 2.0 | 2.3 | 1.08 |
| 3 | AO93487-2R | 1.9 | 1.5 | 1.0 | 1.0 | 1.0 | 1.8 | 1.0 | 1.5 | 1.4 | 2.0 | 1.4 | 1.10 |
| 4 | AO96747-1R | 1.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 3.4 | 1.0 | 1.4 | 1.00 |
| 5 | AO96747-2R/Y | 2.7 | 1.0 | 2.0 | 1.8 | 1.0 | 2.3 | 1.8 | 2.0 | 3.0 | 2.3 | 2.0 | 1.23 |
| 6 | CO93037-6R | 2.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.3 | 1.0 | 1.4 | 0.96 |
| 7 | CO94019-1R | 1.8 | 2.0 | 2.0 | 1.0 | 1.0 | 1.7 | 1.5 | 1.5 | 1.8 | 1.0 | 1.5 | 1.10 |
| 8 | NDC5281-2 | 1.3 | 2.0 | 1.0 | 2.3 | 2.0 | 2.7 | 1.5 | 3.0 | 3.0 | 2.0 | 2.1 | 1.32 |
| 9 | NDTX4271-5R | 1.7 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.5 | 1.5 | 2.0 | 1.4 | 0.95 |
| 10 | NDTX4304-1R | 2.0 | 1.0 | 1.0 | 1.3 | 1.0 | 1.0 | 1.0 | 1.5 | 2.3 | 1.6 | 1.4 | 0.99 |
| Red/Yellow Flesh | | | | | | | | | | | | | |
| 11 | VCO967-2R/Y | 1.3 | 2.3 | 2.0 | 2.5 | 2.0 | 2.9 | 2.0 | 2.0 | 3.8 | 3.8 | 2.5 | 1.38 |
| Red/Red Flesh | | | | | | | | | | | | | |
| 12 | CO94183-1R/R | 2.0 | 2.0 | 2.0 | 2.5 | 2.0 | 2.9 | 2.0 | 1.0 | 3.0 | 1.7 | 2.1 | 1.38 |
| Purple/Purple Flesh | | | | | | | | | | | | | |
| 13 | All Blue | 2.7 | 4.0 | 2.0 | 3.8 | 2.0 | 3.0 | 5.0 | 4.0 | 4.5 | 3.7 | 3.5 | 1.39 |
| 14 | CO94165-3P/P | 1.3 | 2.5 | 2.0 | 2.8 | 2.0 | 2.2 | 3.0 | 4.0 | 4.0 | 3.0 | 2.7 | 1.21 |
| Yellow Flesh | | | | | | | | | | | | | |
| 15 | Yukon Gold | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.5 | 2.8 | 2.3 | 2.2 | 1.16 |
| 16 | NDA5507-3YF | 3.7 | 2.0 | 2.0 | 2.3 | 1.0 | 2.5 | 2.3 | 3.0 | 3.1 | 3.3 | 2.5 | 1.28 |
| 17 | TX1674-1W/Y | 3.3 | 3.0 | 2.0 | 3.8 | 3.0 | 3.0 | 2.5 | 3.5 | 3.9 | 3.0 | 3.1 | 1.41 |
| 18 | VC1002-3W/Y | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 2.3 | 1.0 | 2.5 | 2.5 | 1.7 | 1.5 | 1.22 |
| 19 | BTX1544-2W/Y | 2.1 | 2.3 | 2.0 | 2.3 | 2.0 | 2.2 | 2.0 | 2.0 | 3.4 | 2.7 | 2.3 | 1.19 |
| White/White Flesh | | | | | | | | | | | | | |
| 20 | A92584-3BB | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.7 | 1.0 | 1.5 | 3.5 | 1.0 | 1.7 | 1.08 |
| Mean | | 2.1 | 1.9 | 1.6 | 2.0 | 1.6 | 2.0 | 1.8 | 2.3 | 3.0 | 2.2 | 2.1 | 1.2 |

Table 14. Skin and Flesh Color

| Clone | Skin Color (1 - 5 dark) | | | | | | | | | | | Flesh Color (1 - 5 dark) | | | | | | | | | | | | |
|----------------------------|-------------------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|
| | CA | | CO | ID | OR | | | TX | | WA | Mean | CA | | CO | ID | OR | | | TX | | WA | Mean | | |
| | KRN | TUL | SLV | AB | COR | HRM | KLM | DAL | SPR | GR | | KRN | TUL | SLV | AB | COR | HRM | KLM | DAL | SPR | GR | | | |
| Red/White Flesh | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Dk. Red | Norland | 2.2 | 3.0 | 3.0 | 3.0 | 4.0 | 2.9 | 3.0 | 2.0 | 2.9 | 1.6 | 2.8 | 1.0 | 1.3 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | |
| 2 | Red | LaSoda | 2.2 | 3.0 | 1.0 | 2.5 | 2.0 | 3.0 | 2.0 | 2.0 | 2.6 | 2.3 | 2.3 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | |
| 3 | AO93487-2R | | 2.4 | 3.5 | 2.0 | 3.5 | 2.0 | 4.0 | 5.0 | 4.0 | 2.1 | 4.0 | 3.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 4 | AO96747-1R | | 2.3 | 4.0 | 3.0 | 3.3 | 4.0 | 3.3 | 5.0 | 3.5 | 4.1 | 3.0 | 3.6 | 1.0 | 1.0 | 1.0 | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | |
| 5 | AO96747-2R/Y | | 3.7 | 5.0 | 3.0 | 3.5 | 3.0 | 4.1 | 5.0 | 5.0 | 3.0 | 4.0 | 3.9 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | |
| 6 | CO93037-6R | | 3.8 | 5.0 | 4.0 | 5.0 | 3.0 | 5.0 | 5.0 | 4.0 | 4.4 | 5.0 | 4.4 | 1.0 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 7 | CO94019-1R | | 4.0 | 5.0 | 4.0 | 5.0 | 3.0 | 5.0 | 4.0 | 4.5 | 4.9 | 5.0 | 4.4 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | |
| 8 | NDC5281-2 | | 2.7 | 4.5 | 3.0 | 4.0 | 4.0 | 5.0 | 5.0 | 4.0 | 3.5 | 4.3 | 4.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | |
| 9 | NDTX4271-5R | | 4.0 | 4.0 | --- | 4.0 | 4.0 | 4.8 | 5.0 | 5.0 | 3.4 | 4.6 | 4.3 | 1.0 | 1.0 | --- | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 10 | NDTX4304-1R | | 3.5 | 3.7 | 3.0 | 3.8 | 3.0 | 4.5 | 5.0 | 5.0 | 3.5 | 3.6 | 3.9 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | |
| Red/Yellow Flesh | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | VCO967-2R/Y | | 2.7 | 2.8 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 3.5 | 1.5 | 4.5 | 2.3 | 2.0 | 3.4 | 3.0 | 3.8 | 3.0 | 3.0 | 2.8 | 3.5 | 3.8 | 2.5 | 3.1 |
| Red/Red Flesh | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | CO94183-1R/R | | 3.7 | 4.0 | 4.0 | 3.8 | 5.0 | 5.0 | 5.0 | 4.5 | 4.5 | 4.0 | 4.4 | 3.0 | 2.8 | 3.0 | 3.0 | 4.0 | 2.0 | 3.0 | 2.0 | 2.0 | 3.0 | 2.8 |
| Purple/Purple Flesh | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | All Blue | | 5.0 | 5.0 | 5.0 | 4.0 | 4.5 | 5.0 | 4.5 | 5.0 | 5.0 | 4.3 | 4.7 | 4.0 | 3.5 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 5.0 | 3.8 |
| 14 | CO94165-3P/P | | 5.0 | 5.0 | 5.0 | 5.0 | 4.5 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.9 | 5.0 | 4.5 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.9 |
| Yellow Flesh | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Yukon Gold | | 1.0 | 2.3 | 1.0 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 4.2 | 1.6 | 3.0 | 2.8 | 2.0 | 3.8 | 3.0 | 3.0 | 3.0 | 3.5 | 3.5 | 2.5 | 3.0 |
| 16 | NDA5507-3YF | | 1.0 | 2.5 | 1.0 | 1.3 | 1.0 | 1.0 | 2.0 | 1.5 | 2.3 | 3.8 | 1.7 | 2.0 | 3.0 | 3.0 | 2.8 | 3.0 | 2.0 | 3.0 | 3.5 | 2.3 | 3.0 | 2.8 |
| 17 | TX1674-1W/Y | | 1.0 | 2.0 | 1.0 | 1.5 | 1.0 | 1.0 | 1.5 | 2.0 | 2.5 | 4.2 | 1.8 | 2.0 | 3.5 | 3.0 | 3.5 | 3.0 | 2.0 | 3.3 | 3.5 | 3.3 | 3.0 | 3.0 |
| 18 | VC1002-3W/Y | | 1.0 | 1.5 | 2.0 | 1.5 | 1.0 | 1.0 | 2.0 | 2.0 | 2.2 | 3.8 | 1.8 | 2.0 | 3.8 | 4.0 | 3.8 | 3.0 | 2.0 | 3.6 | 3.5 | 3.0 | 2.0 | 3.1 |
| 19 | BTX1544-2W/Y | | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 4.0 | 1.6 | 2.3 | 3.3 | 2.0 | 3.3 | 2.5 | 1.0 | 3.0 | 3.5 | 3.5 | 1.0 | 2.5 |
| White/White Flesh | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | A92584-3BB | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.7 | 1.1 | 1.0 | 2.3 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| Mean | | | 2.7 | 3.4 | 2.6 | 3.0 | 2.7 | 3.2 | 3.5 | 3.3 | 3.1 | 3.8 | 3.1 | 1.8 | 2.2 | 2.3 | 2.3 | 2.1 | 1.8 | 2.1 | 2.1 | 2.0 | 1.9 | 2.0 |

Table 15. Eye Depth, Skinning and External Defects

| Clone | Eye Depth | Skinning | External Defects (1=severe; 5=none) | | | | | | |
|----------------------------|-----------------|----------|-------------------------------------|-------|----------------|------|--------|---------|--------|
| | | | Growth Cracks | Knobs | Shatter Bruise | Scab | | | |
| Red/White Flesh | | | | | | | | | |
| 1 | Dk. Red Norland | 3.2 | 4.5 | 4.4 | SLV 2.0 | 5.0 | 4.5 | 5.0 | |
| 2 | Red LaSoda | 1.3 | 3.4 | 4.0 | | 4.6 | 4.9 | 4.8 | |
| 3 | AO93487-2R | 3.5 | 2.9 | 4.8 | | 4.9 | 4.8 | 5.0 | |
| 4 | AO96747-1R | 3.7 | 4.5 | 4.8 | | 4.7 | WA 3.3 | 4.8 | AB 1.8 |
| 5 | AO96747-2R/Y | 3.6 | 4.3 | 4.9 | | 5.0 | 4.5 | 4.7 | |
| 6 | CO93037-6R | 3.5 | 3.3 | 4.4 | WA 3.0 | 4.8 | 4.6 | 4.8 | |
| 7 | CO94019-1R | 3.4 | 2.7 | 4.9 | | 5.0 | 4.8 | 5.0 | |
| 8 | NDC5281-2 | 3.0 | 3.6 | 4.8 | | 5.0 | 4.7 | 4.7 | |
| 9 | NDTX4271-5R | 3.9 | 3.7 | 4.1 | WA 2.6 | 5.0 | 4.1 | HRM 2.5 | 5.0 |
| 10 | NDTX4304-1R | 4.1 | 2.9 | 4.3 | | 5.0 | 4.5 | 5.0 | |
| Red/Yellow Flesh | | | | | | | | | |
| 11 | VCO967-2R/Y | 3.9 | 4.4 | 5.0 | | 5.0 | 4.4 | 4.8 | |
| Red/Red Flesh | | | | | | | | | |
| 12 | CO94183-1R/R | 4.4 | 4.7 | 4.3 | | 5.0 | 4.2 | WA 3.0 | 4.9 |
| Purple/Purple Flesh | | | | | | | | | |
| 13 | All Blue | 2.8 | 3.8 | 4.9 | | 5.0 | 4.4 | WA 2.5 | 4.7 |
| 14 | CO94165-3P/P | 3.7 | 4.8 | 5.0 | | 4.8 | 4.5 | WA 3.0 | 4.8 |
| Yellow Flesh | | | | | | | | | |
| 15 | Yukon Gold | 3.6 | 4.5 | 4.8 | | 4.9 | 4.9 | 4.7 | |
| 16 | NDA5507-3YF | 4.0 | 4.6 | 4.8 | | 5.0 | 5.0 | 5.0 | |
| 17 | TX1674-1W/Y | 4.0 | 4.2 | 4.9 | | 5.0 | 4.5 | 4.8 | |
| 18 | VC1002-3W/Y | 4.3 | 4.2 | 4.8 | | 5.0 | 4.7 | 5.0 | |
| 19 | BTX1544-2W/Y | 3.6 | 4.8 | 4.5 | SLV 2.0 | 4.8 | 5.0 | 5.0 | |
| White/White Flesh | | | | | | | | | |
| 20 | A92584-3BB | 4.5 | 4.2 | 4.7 | | 5.0 | 4.6 | WA 3.3 | 4.5 |
| Mean | | | | | | | | | |
| | | 3.6 | 4.0 | 4.6 | | 4.9 | 4.6 | 4.8 | |

Table 16. Internal Defects

| Clone | HH BC % | % of Tubers Showing | | | | | | Blackspot Bruise 1-5=none |
|----------------------------|-----------------|---------------------|----------------|---------------------|------------|--------|------------|---------------------------------|
| | | IBS | VD | Blackspot Bruise | | | | |
| Red/White Flesh | | | | | | | | |
| 1 | Dk. Red Norland | 6 | TUL 33 | 0 | 7 | SPR 30 | 9 | 4.4 |
| 2 | Red LaSoda | 7 | AB 13, HRM 17 | 0 | 6 | SPR 20 | 19 | 4.5 |
| 3 | AO93487-2R | 2 | | 0 | 7 | SPR 28 | 0 | 3.9 CO 1.6 |
| 4 | AO96747-1R | 1 | | 0 | 7 | SPR 30 | 5 | 4.8 |
| 5 | AO96747-2R/Y | 2 | | 1 | 12 | SPR 30 | 9 | 4.7 |
| 6 | CO93037-6R | 6 | | 0 | 4 | | 9 | 4.3 |
| 7 | CO94019-1R | 2 | | 3 | 5 | SPR 25 | 8 | 4.1 CO 2.3 |
| 8 | NDC5281-2 | 1 | | 0 | 4 | | 0 | 4.0 CO 2.2 |
| 9 | NDTX4271-5R | 1 | | 0 | 3 | | 0 | 4.8 |
| 10 | NDTX4304-1R | 2 | | 0 | 7 | | 1 | 3.9 |
| Red/Yellow Flesh | | | | | | | | |
| 11 | VCO967-2R/Y | 1 | | 0 | 2 | | 0 | 4.5 |
| Red/Red Flesh | | | | | | | | |
| 12 | CO94183-1R/R | 1 | | 0 | 0 | | 0 | 4.2 |
| Purple/Purple Flesh | | | | | | | | |
| 13 | All Blue | 1 | | 0 | 0 | | 0 | 5.0 |
| 14 | CO94165-3P/P | 6 | TUL 33 | 0 | 0 | | 0 | 4.8 |
| Yellow Flesh | | | | | | | | |
| 15 | Yukon Gold | 6 | SPR 28 | 0 | 5 | | 30 | 4.8 |
| 16 | NDA5507-3YF | 5 | HRM 16, KLM 13 | 2 | 6 | SPR 30 | 0 | 4.7 |
| 17 | TX1674-1W/Y | 1 | | 0 | 7 | SPR 30 | 0 | 4.7 |
| 18 | VC1002-3W/Y | 3 | | 1 | 15 | SPR 50 | 33 | 4.6 |
| 19 | BTX1544-2W/Y | 8 | AB 53, TUL 25 | 0 | 7 | SPR 28 | 0 | 4.4 |
| White/White Flesh | | | | | | | | |
| 20 | A92584-3BB | 4 | | 0 | 4 | | 5 | 4.3 |
| Mean | | 3 | | 0.4 | 5.3 | | 6.3 | 4.5 |

Table 17. Fresh Market Quality (Merit Scores)

| Clone | Merit Scores (1-5=best) | | | | | | | | | Mean | Rank |
|----------------------------|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------|
| | CA | | CO | ID | OR | | TX | | | | |
| | KRN | TUL | SLV | AB | HRM | KLM | DAL | SPR | | | |
| Red/White Flesh | | | | | | | | | | | |
| 1 | Dk. Red Norland | 3.0 | 3.0 | 1.0 | 2.8 | 4.0 | 3.0 | 3.0 | 2.9 | 2.8 | 9 |
| 2 | Red LaSoda | 3.0 | 2.8 | 3.0 | 1.5 | 1.0 | 1.5 | 3.4 | 3.6 | 2.5 | 10 |
| 3 | AO93487-2R | 3.1 | 4.0 | 2.0 | 4.0 | 4.0 | 4.0 | 2.9 | 2.7 | 3.3 | 4 |
| 4 | AO96747-1R | 3.0 | 3.8 | 3.0 | 2.5 | 4.0 | 3.5 | 3.5 | 2.8 | 3.3 | 4 |
| 5 | AO96747-2R/Y | 3.7 | 3.7 | 4.0 | 3.8 | 3.0 | 2.8 | 2.9 | 3.0 | 3.4 | 3 |
| 6 | CO93037-6R | 3.2 | 3.5 | 5.0 | 3.0 | 5.0 | 3.0 | 3.4 | 3.8 | 3.7 | 1 |
| 7 | CO94019-1R | 3.2 | 3.0 | 3.0 | 3.3 | 3.0 | 3.0 | 1.6 | 3.0 | 2.9 | 8 |
| 8 | NDC5281-2 | 2.0 | 4.0 | 4.0 | 3.5 | 3.0 | 4.5 | 2.8 | 2.9 | 3.3 | 4 |
| 9 | NDTX4271-5R | 4.0 | 4.0 | 3.0 | 3.8 | 2.0 | 4.0 | 3.4 | 3.5 | 3.5 | 2 |
| 10 | NDTX4304-1R | 3.0 | 3.3 | 2.0 | 2.5 | 4.0 | 2.8 | 3.5 | 3.3 | 3.1 | 7 |
| Red/Yellow Flesh | | | | | | | | | | | |
| 11 | VCO967-2R/Y | 2.0 | 3.0 | 4.0 | 3.8 | 4.0 | 2.5 | 2.8 | 2.6 | 3.1 | |
| Red/Red Flesh | | | | | | | | | | | |
| 12 | CO94183-1R/R | 2.7 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.2 | 2.1 | 2.9 | |
| Purple/Purple Flesh | | | | | | | | | | | |
| 13 | All Blue | 2.0 | 2.8 | 3.0 | 2.0 | 2.0 | 2.0 | 2.1 | 2.3 | 2.3 | 2 |
| 14 | CO94165-3P/P | 2.7 | 3.5 | 4.0 | 3.5 | 4.0 | 3.8 | 3.7 | 2.0 | 3.4 | 1 |
| Yellow Flesh | | | | | | | | | | | |
| 15 | Yukon Gold | 3.0 | 4.0 | 3.0 | 3.5 | 2.0 | 4.0 | 3.1 | 3.0 | 3.2 | 1 |
| 16 | NDA5507-3YF | 4.0 | 3.5 | 3.0 | 3.3 | 1.0 | 2.8 | 2.7 | 3.0 | 2.9 | 3 |
| 17 | TX1674-1W/Y | 3.0 | 2.7 | 3.0 | 3.5 | 2.0 | 2.0 | 3.1 | 3.2 | 2.8 | 5 |
| 18 | VC1002-3W/Y | 2.7 | 3.5 | 4.0 | 3.3 | 1.0 | 3.3 | 2.7 | 2.5 | 2.9 | 3 |
| 19 | BTX1544-2W/Y | 3.1 | 2.7 | 4.0 | 2.0 | 4.0 | 2.8 | 3.1 | 3.3 | 3.1 | 2 |
| White/White Flesh | | | | | | | | | | | |
| 20 | A92584-3BB | 3.7 | 3.0 | 3.0 | 3.3 | 4.0 | 4.5 | 3.2 | 2.7 | 3.4 | |
| Mean | | 3.0 | 3.3 | 3.2 | 3.1 | 3.0 | 3.1 | 3.0 | 2.9 | 3.1 | |

Table 18. Tuber Late Blight and Tuber Composition

| Clone | Tuber blight ¹ | Aberdeen, Idaho | | | | | | |
|----------------------------|---------------------------|-----------------|-------------|------------|-------------|-------------|-------------|------------|
| | | Mean | | | | | | |
| | | Solids | Protein | Dextrose | Sucrose | Vitamin C | TGA | |
| Red/White Flesh | | | | | | | | |
| 1 | Dk. Red Norland | 20.0 | 17.5 | 6.4 | 0.02 | 0.16 | 30.4 | 3.6 |
| 2 | Red LaSoda | 50.0 | 17.5 | 6.0 | 0.08 | 0.17 | 37.1 | 4.2 |
| 3 | AO93487-2R | 15.0 | 17.7 | 6.0 | 0.02 | 0.19 | 38.1 | 2.7 |
| 4 | AO96747-1R | 3.0 | 18.9 | 6.4 | 0.01 | 0.16 | 32.1 | 4.6 |
| 5 | AO96747-2R/Y | 5.0 | 16.9 | 5.2 | 0.03 | 0.30 | 23.6 | 5.4 |
| 6 | CO93037-6R | 10.0 | 18.1 | 5.3 | 0.05 | 0.35 | 32.3 | 1.8 |
| 7 | CO94019-1R | 44.0 | 17.6 | 5.5 | 0.03 | 0.18 | 16.4 | 5.4 |
| 8 | NDC5281-2 | 20.0 | 18.4 | 6.4 | 0.02 | 0.19 | 31.9 | 7.3 |
| 9 | NDTX4271-5R | 23.0 | 18.3 | 6.0 | 0.03 | 0.38 | 23.1 | 5.2 |
| 10 | NDTX4304-1R | 20.0 | 16.1 | 5.0 | 0.08 | 0.21 | 32.5 | 2.8 |
| Red/Yellow Flesh | | | | | | | | |
| 11 | VCO967-2R/Y | 3.0 | 19.4 | 5.1 | 0.00 | 0.13 | 35.6 | 3.5 |
| Red/Red Flesh | | | | | | | | |
| 12 | CO94183-1R/R | 20.0 | 19.9 | 5.5 | 0.00 | 0.13 | 26.4 | 4.8 |
| Purple/Purple Flesh | | | | | | | | |
| 13 | All Blue | 33.0 | 19.9 | 5.3 | 0.03 | 0.24 | 29.8 | 5.6 |
| 14 | CO94165-3P/P | 3.0 | 19.4 | 4.7 | 0.00 | 0.14 | 31.0 | 5.8 |
| Yellow Flesh | | | | | | | | |
| 15 | Yukon Gold | 23.0 | 21.6 | 5.8 | 0.02 | 0.21 | 52.1 | 4.8 |
| 16 | NDA5507-3YF | 0.0 | 19.5 | 5.8 | 0.01 | 0.10 | 44.1 | 5.0 |
| 17 | TX1674-1W/Y | 20.0 | 21.6 | 6.4 | 0.02 | 0.23 | 38.2 | 4.2 |
| 18 | VC1002-3W/Y | 5.0 | 21.9 | 6.5 | 0.00 | 0.15 | 35.0 | 3.2 |
| 19 | BTX1544-2W/Y | 0.0 | 19.4 | 6.2 | 0.01 | 0.18 | 35.0 | 3.6 |
| White/White Flesh | | | | | | | | |
| 20 | A92584-3BB | 13.0 | 20.0 | 6.6 | 0.01 | 0.17 | 33.0 | 5.5 |
| Mean | | 16.7 | 18.9 | 5.8 | 0.02 | 0.20 | 32.9 | 4.4 |

^{1/} % of late blight infected tubers at harvest (10 randomly selected tubers). Mosley & Yilma, Corvallis, OR.

Table 19. Culinary Tuber Quality and General Notes

| Clone | Washington Culinary Quality ¹ | | | | Rank | Notes | |
|----------------------------|---|-------------|-------------|-------------|-------------|----------|---|
| | Boiling | Baking | Micro | Total | | | |
| Red/White Flesh | | | | | | | |
| 1 | Dk. Red Norland | 18.7 | 19.5 | 17.6 | 55.8 | 3 | variable & pale color, unattractive skin |
| 2 | Red LaSoda | 19.6 | 20.3 | 15.5 | 55.4 | 4 | pale, lg., unattractive skin, |
| 3 | AO93487-2R | 19.1 | 17.0 | 17.0 | 53.1 | 6 | nice color, drop (Texas), rhizoc., |
| 4 | AO96747-1R | 18.4 | 18.0 | 20.2 | 56.6 | 2 | good size, pointy, deep eyes, |
| 5 | AO96747-2R/Y | 18.4 | 18.2 | 18.5 | 55.1 | 5 | fair, rhizoc., growth cracks, pears |
| 6 | CO93037-6R | 16.5 | 15.7 | 20.5 | 52.7 | 8 | nice color, skin bronzing, flat shape x 2 |
| 7 | CO94019-1R | 17.3 | 15.7 | 19.1 | 52.1 | 9 | dk. Red, skin bronzing, |
| 8 | NDC5281-2 | 18.6 | 18.3 | 20.4 | 57.3 | 1 | nice color, rot, pears, small size |
| 9 | NDTX4271-5R | 16.9 | 17.0 | 19.0 | 52.9 | 7 | good, rhizoc., nice skin, small |
| 10 | NDTX4304-1R | 18.9 | 16.8 | 16.1 | 51.8 | 10 | big, flat x 2, skinning & skin cracks |
| Red/Yellow Flesh | | | | | | | |
| 11 | VCO967-2R/Y | 20.4 | 19.5 | 16.8 | 56.7 | | pale color, russeting, pears x 2 |
| Red/Red Flesh | | | | | | | |
| 12 | CO94183-1R/R | 16.6 | 21.6 | 17.7 | 55.9 | | nice shape & color, pears, russeting |
| Purple/Purple Flesh | | | | | | | |
| 13 | All Blue | 15.7 | 20.7 | 17.3 | 53.7 | 1 | skin bronzing, dumbbells, rough |
| 14 | CO94165-3P/P | 14.3 | 19.3 | 18.4 | 52.0 | 2 | nice shape, russeting/bronzing, |
| Yellow Flesh | | | | | | | |
| 15 | Yukon Gold | 21.4 | 23.2 | 19.6 | 64.2 | 1 | shiny skin, nice, big, rhizoc., |
| 16 | NDA5507-3YF | 18.1 | 20.0 | 18.3 | 56.4 | 3 | ugly skin, rhizoc., poor shape, pears, flat |
| 17 | TX1674-1W/Y | 15.8 | 19.7 | 18.4 | 53.9 | 4 | flat, poor, russeting, pears |
| 18 | VC1002-3W/Y | 19.5 | 19.1 | 17.9 | 56.5 | 2 | flaky skin, good uniformity, poor internals |
| 19 | BTX1544-2W/Y | 18.7 | 18.4 | 16.5 | 53.6 | 5 | pointy, variable skin color, pears x 3 |
| White/White Flesh | | | | | | | |
| 20 | A92584-3BB | 15.1 | 17.1 | 17.8 | 50.0 | | nice skin, uniform, attractive, rhizoc., small |
| Mean | | 17.9 | 18.8 | 18.1 | 54.8 | | |

^{1/} Higher score = better quality, maximum = 25 per test. Knowles & Fuller, Pullman, WA.

Table 20. Summary

| Clone | Field Data | | | | Yield Qualities | | | | | | Quality | | Disposition 2003 |
|----------------------------|-----------------|-----------|--------------|--------------|-----------------|------------|-----------|-----------|-------------------|---------------|---------------------|----------------|---------------------|
| | % Stand | HH/ BC | Vine Size | Vine Mat. | Total Yield | % 4-10 | % >10 | % <4 | Yield <4-10 oz | % <4-10 oz | Specific gravity | Fresh Merit | |
| Red/White Flesh | | | | | | | | | | | | | |
| 1 | Dk. Red Norland | 93 | 5.6 | 3.2 | 2.5 | 403 | 60 | 21 | 14 | 290 | 74 | 1.067 | 2.8 |
| 2 | Red LaSoda | 95 | 7.3 | 3.4 | 3.2 | 475 | 51 | 34 | 8 | 278 | 60 | 1.071 | 2.5 |
| 3 | AO93487-2R | 95 | 1.8 | 3.6 | 2.0 | 420 | 64 | 11 | 26 | 362 | 87 | 1.069 | 3.3 |
| 4 | AO96747-1R | 98 | 0.9 | 3.3 | 2.9 | 450 | 65 | 8 | 25 | 394 | 88 | 1.073 | 3.3 |
| 5 | AO96747-2R/Y | 95 | 2.2 | 3.2 | 2.2 | 462 | 63 | 19 | 18 | 360 | 79 | 1.063 | 3.4 |
| 6 | CO93037-6R | 96 | 5.6 | 3.7 | 3.5 | 487 | 60 | 17 | 20 | 369 | 79 | 1.074 | 3.7 |
| 7 | CO94019-1R | 87 | 1.7 | 3.0 | 3.7 | 361 | 66 | 10 | 25 | 306 | 87 | 1.070 | 2.9 |
| 8 | NDC5281-2 | 90 | 1.1 | 3.0 | 2.3 | 392 | 65 | 5 | 28 | 352 | 91 | 1.079 | 3.3 |
| 9 | NDTX4271-5R | 91 | 1.1 | 3.1 | 2.7 | 457 | 62 | 20 | 14 | 340 | 76 | 1.068 | 3.5 |
| 10 | NDTX4304-1R | 95 | 1.7 | 3.1 | 2.9 | 468 | 53 | 29 | 11 | 298 | 65 | 1.063 | 3.1 |
| Red/Yellow Flesh | | | | | | | | | | | | | |
| 11 | VCO967-2R/Y | 94 | 1.2 | 3.6 | 2.8 | 391 | 67 | 7 | 26 | 343 | 89 | 1.074 | 3.1 |
| Red/Red Flesh | | | | | | | | | | | | | |
| 12 | CO94183-1R/R | 98 | 1.0 | 2.9 | 3.0 | 342 | 62 | 6 | 30 | 303 | 90 | 1.077 | 2.9 |
| Purple/Purple Flesh | | | | | | | | | | | | | |
| 13 | All Blue | 97 | 1.1 | 3.8 | 3.8 | 404 | 47 | 5 | 43 | 330 | 85 | 1.078 | 2.3 |
| 14 | CO94165-3P/P | 98 | 6.1 | 3.7 | 2.7 | 426 | 57 | 4 | 39 | 385 | 89 | 1.079 | 3.4 |
| Yellow Flesh | | | | | | | | | | | | | |
| 15 | Yukon Gold | 95 | 5.9 | 3.4 | 2.4 | 401 | 60 | 24 | 12 | 283 | 73 | 1.084 | 3.2 |
| 16 | NDA5507-3YF | 95 | 4.7 | 4.0 | 3.0 | 479 | 61 | 15 | 19 | 365 | 81 | 1.077 | 2.9 |
| 17 | TX1674-1W/Y | 95 | 1.1 | 3.5 | 3.1 | 400 | 63 | 16 | 17 | 308 | 79 | 1.087 | 2.8 |
| 18 | VC1002-3W/Y | 95 | 2.5 | 4.2 | 3.3 | 431 | 58 | 3 | 40 | 393 | 93 | 1.085 | 2.9 |
| 19 | BTX1544-2W/Y | 95 | 8.0 | 3.6 | 2.7 | 404 | 60 | 22 | 13 | 283 | 72 | 1.077 | 3.1 |
| White/White Flesh | | | | | | | | | | | | | |
| 20 | A92584-3BB | 96 | 4.4 | 3.8 | 2.9 | 420 | 61 | 3 | 36 | 336 | 92 | 1.078 | 3.4 |
| Mean | | 95 | 3.3 | 3.4 | 2.9 | 424 | 60 | 14 | 23 | 334 | 81 | 1.075 | 3.1 |

Table 21. 3-Year Summary of Graduating Entries

| Clone | Marketable (cwt/a) | | | | Yield (cwt/a) | | Total Yield (cwt/a) | Spec. Grav. | % HH & BC | Skin Color ¹ | Quality Rating ² | Culinary Quality ³ |
|--------------------------|--------------------|--------|---------|-------|---------------|-------|------------------------|----------------|--------------|----------------------------|--------------------------------|----------------------------------|
| | B's | 4-6 oz | 6-10 oz | Total | > 10 | Culls | | | | | | |
| Red/White Flesh | | | | | | | | | | | | |
| 1 Dk. Red Norland | 50 | 90 | 160 | 300 | 111 | 31 | 442 | 1.066 | 7 | 2.9 | 2.9 | 54.1 |
| 2 Red LaSoda | 32 | 62 | 146 | 240 | 172 | 46 | 458 | 1.069 | 10 | 2.3 | 2.3 | 53.8 |
| 3 NDC5281-2 | 108 | 123 | 127 | 358 | 26 | 22 | 406 | 1.076 | 1 | 4.2 | 3.5 | 56.3 |
| 4 NDTX4271-5R | 56 | 97 | 178 | 331 | 99 | 26 | 456 | 1.067 | 1 | 4.3 | 3.8 | 52.6 |
| Yellow Flesh | | | | | | | | | | | | |
| 1 Yukon Gold | 39 | 76 | 138 | 253 | 132 | 23 | 408 | 1.081 | 5 | 1.6 | 3.5 | 61.2 |
| 2 TX1674-1W/Y | 57 | 92 | 144 | 293 | 76 | 24 | 393 | 1.083 | 0 | 1.8 | 3.0 | 54.0 |
| White/White Flesh | | | | | | | | | | | | |
| 1 A92584-3BB | 138 | 133 | 98 | 369 | 20 | 22 | 411 | 1.075 | 2 | 1.1 | 3.1 | 52.0 |

¹ Skin Color: 1 = light, 5 = dark

² Fresh Market Rating: 1 = Poor, 5 = Best

³ Rating: Boiling, Baking, Microwave Test, Higher score = better quality; maximum = 25 per test