

2008 Southwestern Regional Potato Variety Trial Report



Table of Contents

| | |
|--|----|
| Description of Clones - 2008 Southwestern Regional Trial | 2 |
| Table 1. Locations, Cooperators, and Cultural Information | 4 |
| Table 2. Plot Information, Soil Type, Fungicides, and Insecticides | 5 |
| Table 3. Herbicides, Fumigants, Vine Killing, Environmental Factors, and Comments | 6 |
| Table 4. Percent Stand and Stems/Hill | 7 |
| Table 5. Vine Size and Vine Maturity | 9 |
| Table 6. Total Yield, Yield Rank, and Merit Scores | 11 |
| Table 7. Yield and Percent of U.S. No. 1s | 13 |
| Table 8. Yield and Percent of U.S. No. 1s > 10 oz | 15 |
| Table 9. Yield and Percent of U.S. No. 1s 6 - 10 oz | 17 |
| Table 10. Yield and Percent of U.S. No. 1s 4 - 6 oz | 19 |
| Table 11. Yield and Percent of B (< 4 oz) Tubers | 21 |
| Table 12. Yield and Percent Culls/No. 2s | 23 |
| Table 13. Specific Gravity | 25 |
| Table 14. Tuber Weight (oz.) and Shape | 27 |
| Table 15. Eye Depth and Growth Cracks | 29 |
| Table 16. Percent Hollow Heart/Brown Center, Blackspot Bruising, and Fry Results | 31 |
| Table 17. Colorado Chipping Results | 33 |
| Table 18. Antioxidant Activity..... | 34 |
| Table 19. Zebra Chip Evaluations | 36 |
| Table 20. Summary | 38 |
| Status of Entries Following the Southwestern Regional Trial- 2008 Worksheet | 40 |
| Description of Continuing/Proposed Clones for the 2009 Southwestern Regional Trial | 43 |

Description of Clones - 2008 Southwestern Regional Trial

| Entry # | Clone/Cultivar | Parents | | Flower Color | Vine Size | Maturity | Tuber Shape | Skin Type | Entered By | Use | Source | 2009 Status |
|------------------------|-----------------|-------------------|------------------|--------------|-----------|-----------|-------------|-----------|------------|-------|--------|-------------|
| | | Female | Male | | | | | | | | | |
| Specialty Trial | | | | | | | | | | | | |
| 1 | Yukon Gold | Norgleam | W5279-4 | Pink | Medium | Early | Oval | White | Check | Spec | CO | *** |
| 2 | ATC00293 -1W/Y | Agria | TXA1655-1DY | Purple | Large | Medium | Oblong | White | CO | Spec | CO | 1 |
| 3 | ATTX98500-3PW/Y | P94A2-4Y | Granola | Purple | Large | Late | Oblong | P/W | TX | Spec | CO | 2 |
| 4 | ATTX00289-6W/Y | NDA5507-3 | TXA1655-1DY | Lavender | Medium | Early-Med | Round | White | TX | Spec | CO | 1 |
| 5 | CO00379-2R/Y | VC0967-2R/Y | NDC6174-1R | Purple | Small-Med | Early-Med | Oval | Red | CO | Spec | CO | 1 |
| 6 | CO00405-1R | Banana | NDC6174-1R | Purple | Small | V Early | Long | Red | CO | Spec | CO | 1 |
| 7 | CO00412-5W/Y | German Butterball | TX1523-1RU/Y | Purple | Large | Medium | Oval | White | CO | Spec | CO | 1 |
| 8 | CO00415-1R | Kipfel | NDC5281-2R | Purple | Medium | V Early | Long | Red | CO | Spec | CO | 1 |
| 9 | TX1673-1W/Y | Russet Nugget | CS7802L-2 | Pink | Medium | Early | Oval | White | TX | Spec | CO | 1 |
| 10 | TXYG055 | Norgleam | W5279-4 | Pink | Medium | Early | Oval | White | TX | Spec | CO | 1 |
| 11 | TXYG057 | Norgleam | W5279-4 | Pink | Medium | Early | Oval | White | TX | Spec | CO | 1 |
| 12 | TXYG079 | Norgleam | W5279-4 | Pink | Medium | Early | Oval | White | TX | Spec | CO | 1 |
| 13 | TXYG098 | Norgleam | W5279-4 | Pink | Medium | Early | Oval | White | TX | Spec | CO | 1 |
| 14 | TXYG105 | Norgleam | W5279-4 | Pink | Medium | Early | Oval | White | TX | Spec | CO | 1 |
| 15 | TXYG107 | Norgleam | W5279-4 | Pink | Medium | Early | Oval | White | TX | Spec | CO | 1 |
| Russet Trial | | | | | | | | | | | | |
| 16 | Russet Norkotah | ND9687-5RU | ND9526-4RU | White | Small | Early | Long | Russet | CO | Fresh | CO | *** |
| 17 | AC99375-1RU | AWN86514-2 | A89384-10 | White | Large | Medium | Oblong | Russet | CO | Dual | CO | 1 |
| 18 | AOTX96216-2RU | A9082-2 | A86102-6 | White | Large | Late | Long | Russet | TX | Fresh | CO | 1 |
| 19 | AOTX96265-2RU | A90621-4 | A84180-8 | White | Large | Late | Oblong | Russet | TX | Fresh | CO | 2 |
| 20 | AOTX98152-3RU | A88338-1 | A9201-6 | Lavender | Large | Medium | Oblong | Russet | TX | Fresh | CO | 1 |
| 21 | ATX9202-3RU | A8343-12 | A8495-1 | White | Large | Medium | Long | Russet | TX | Fresh | CO | 1 |
| 22 | ATX97147-4RU | A79180-10 | A88236-6 | White | Medium | Early-Med | Long | Russet | TX | Fresh | CO | 3 |
| 23 | ATX99013-1RU | A8893-1 | A91186-2 | White | Small-Med | Early-Med | Oblong | Russet | TX | Fresh | CO | 1 |
| 24 | CO99053-3RU | AC91014-2 | Silverton Russet | White | Large | Late | Long | Russet | CO | Dual | CO | 1 |
| 25 | CO99053-4RU | AC91014-2 | Silverton Russet | White | Medium | Early | Oblong | Russet | CO | Fresh | CO | 1 |
| 26 | CO99100-1RU | AC93047-1 | Silverton Russet | White | Small-Med | Early | Oblong | Russet | CO | Fresh | CO | 1 |

Description of Clones continued

| Entry # | Clone/Cultivar | Parents | | Flower Color | Vine Size | Maturity | Tuber Shape | Skin Type | Entered By | Use | Source | 2009 Status |
|-------------------|--------------------|-----------------|-------------------|--------------|-----------|-----------|-------------|-----------|------------|-------|--------|-------------|
| | | Female | Male | | | | | | | | | |
| Red Trial | | | | | | | | | | | | |
| 27 | Norland (Dark Red) | RedKote | ND626 | Red-Purple | Small | Early | Oval | Red | Check | Fresh | CO | *** |
| 28 | Red LaSoda | Triumph | Katahdin | Red-Purple | Medium | Medium | Oval | Red | Check | Fresh | CO | *** |
| 29 | AOTX91861-4R | Red LaSoda | ND2224-5R | Lavender | Large | Early-Med | Oblong | Red | TX | Fresh | CO | 1 |
| 30 | AOTX93483-1R | NDO2686-6R | AD82705-1R | Purple | Large | Late | Oblong | Red | TX | Fresh | CO | 1 |
| 31 | ATTX98453-6R | A93490-1R | A91846-5R | Lavender | Small-Med | Early-Med | Oblong | Red | TX | Fresh | CO | 3 |
| 32 | BTX2332-1R | B1523-4 | Super Red Norland | Lavender | Large | Medium | Round | Red | TX | Fresh | CO | 1 |
| 33 | CO00277-2R | CO89097-2R | CO94065-2R | Red-Purple | Medium | V Early | Round | Red | CO | Fresh | CO | 1 |
| 34 | CO00291-5R | CO94019-1R | NDC5281-2R | Red-Purple | Large | Medium | Round | Red | CO | Fresh | CO | 1 |
| 35 | COTX94216-1R | Purple Peruvian | Chipeta | Purple | Medium | Medium | Round | Red | TX | Fresh | CO | 1 |
| 36 | COTX94218-1R | Red Ruby | Red Gold | Lavender | Large | Medium | Round | Red | TX | Fresh | CO | 3 |
| 37 | NDTX4784-7R | ND3574-5R | ND2050-1R | Lavender | Medium | Med-Late | Round | Red | TX | Fresh | CO | 3 |
| 38 | NDTX4828-2R | ND3877-2R | ND1871-3R | Lavender | Large | Early-Med | Oblong | Red | TX | Fresh | CO | 1 |
| 39 | NDTX5003-2R | ND3504-3R | ND2050-1R | Lavender | Small | V Early | Oblong | Red | TX | Fresh | CO | 1 |
| 40 | NDTX7590-3R | ND5151-5R | ND5002-3R | Lavender | Medium | Late | Ob-long | Red | TX | Fresh | CO | 1 |
| Chip Trial | | | | | | | | | | | | |
| 41 | Atlantic | Wauseon | B5141-6 | Red-Purple | Medium | Medium | Round | Buff | Check | Chip | CO | *** |
| 42 | Chipeta | WNC612-13 | Wischip | Purple | Large | Med-Late | Oval | White | Check | Chip | CO | *** |
| 43 | AC00170-2W | A90467-14 | A91790-13 | Purple | Medium | Early | Round | White | CO | Chip | CO | 1 |
| 44 | CO00188-4W | A90490-1W | BC0894-2W | White | Medium | Early | Round | White | CO | Chip | CO | 1 |
| 45 | CO00197-3W | A91790-13W | NDTX4930-5W | White | Medium | Early | Oval | White | CO | Chip | CO | 1 |
| 46 | CO00270-7W | BC0894-2W | A91790-13W | Purple | Medium | Early-Med | Round | White | CO | Chip | CO | 1 |

Table 1. Locations, Cooperators, and Cultural Information

| Locations | Cooperators | Irrigation | Trial | Fertilization (lb/A) | Harvest method | Dates | | | Days to Vine Kill |
|--------------------------------------|------------------------------------|---------------------|-----------|----------------------|----------------|---------|-----------|---------|-------------------|
| | | | | | | Plant | Vine Kill | Harvest | |
| 1. Kern Co. California (KRN) | J. Nunez | Sprinkler | Specialty | | Machine/Hand | 2/15/08 | | 6/9/08 | 115 |
| | J. DuBose | | Russet | | Machine/Hand | 2/15/08 | | 6/9/08 | 115 |
| | | | Red | | Machine/Hand | 2/15/08 | | 6/9/08 | 115 |
| | | | Chip | | Machine/Hand | 2/15/08 | | 6/9/08 | 115 |
| 2. Tulelake California (TUL) | H. Carlson | Solid-set sprinkler | Specialty | 175 -0-0 | Machine | 5/9/08 | 9/12/08 | 10/6/08 | 126 |
| | D. Kirby | | Russet | 175 -0-0 | Machine | 5/9/08 | 9/19/08 | 10/8/08 | 133 |
| | | | Red | 175 -0-0 | Machine | 5/9/08 | 9/12/08 | 10/6/08 | 126 |
| | | | Chip | 175 -0-0 | Machine | 5/13/08 | 9/15/08 | 10/7/08 | 125 |
| 3. San Luis Valley Colorado (SLV) | D. Holm | Pivot | Specialty | 114-60-40-25-2.5 | Machine | 5/13/08 | 9/2/08 | 9/23/08 | 112 |
| | F. Goktepe | | Russet | 114-60-40-25-2.5 | Machine | 5/14/08 | 9/2/08 | 9/23/08 | 111 |
| | | | Red | 114-60-40-25-2.5 | Machine | 5/13/08 | 9/2/08 | 9/23/08 | 112 |
| | | | Chip | 114-60-40-25-2.5 | Machine | 5/14/08 | 9/2/08 | 9/23/08 | 111 |
| 4. Springlake Texas (SPR) | C. Miller, J. Koym | Pivot | Specialty | 175-11-6 | Machine/Hand | 4/1/08 | 7/28/08 | 7/30/08 | 118 |
| | D. Scheuring | | Russet | 175-11-7 | Machine/Hand | 3/31/08 | 8/15/08 | 8/19/08 | 137 |
| | | | Red | 101-11-6 | Machine/Hand | 4/1/08 | 7/28/08 | 7/30/08 | 118 |
| | | | Chip | 175-11-6 | Machine/Hand | 4/1/08 | 7/28/08 | 7/30/08 | 118 |
| 5. Dalhart Texas (DAL) | C. Miller, J. Koym D. Scheuring | Pivot | Chip | 205-221-50 | Machine/Hand | 5/13/08 | 9/8/08 | 9/15/08 | 118 |

Table 2. Plot Information, Soil Type, Fungicides, and Insecticides

| Item | California | | Colorado | Texas | |
|--------------------------|------------|-----|----------|--------|-----|
| | KRN | TUL | SLV | SPR | DAL |
| Plot Information: | | | | | |
| Row/plot | 1 | 2 | 1 | 2 | 2 |
| Length of plot (ft) | 20' | * | 25' | 10' 5" | 10' |
| Hill spacing (in) | 9" | ** | 12" | 9" | 12" |
| Row spacing (in) | 32" | 36" | 34" | 36" | 30" |
| Hills/plot | 27 | *** | 25" | 28 | 20 |
| Number of reps | 4 | 4 | 4 | 4 | 4 |
| Soil Type: | | | | | |
| Fine sand | | | | | |
| Fine sandy loam | | | | X | X |
| Loamy fine sand | | | | | |
| Sandy loam | X | | X | | |
| Silt loam | | | | | |
| Organic - 8% | | | | | |
| Mucky silty clay loam | | X | | | |
| Fungicides: | | | | | |
| Bravo WS | | X | | | |
| Dithane F-45 | | X | | | |
| Echo | | | | | X |
| Endura | | X | | | X |
| Headline | | | X | | X |
| Kocide | | | | X | |
| Manzate | | | | | X |
| Maxim | | X | | | |
| Penncozeb | | | | X | |
| Quadris | | X | | X | X |
| Revus Top | | | | | X |
| Scala | | | | | X |
| Super tin 80 | | | | X | X |
| Tops MZ Gaucho | | | | | X |
| Ultra Flourish | | | | | X |
| Insecticides: | | | | | |
| Admire | | | | X | |
| AgriMek | | | | X | X |
| Avaunt | | | | X | |
| Dimethoate | | | | X | |
| Endigo | | | X | X | |
| Fulfill | | | X | | X |
| LI 700 | | | | | X |
| Monitor & Avuant | | X | | | |
| Oberon | | | | X | |
| Platinum | | | | | X |
| Reaper | | | | | X |
| Rimon | | | | X | X |
| Spintor | | | | | X |
| Superb | | | | | X |
| Thimet | | | | | X |

* Spec 18.75ft Russ 19.2ft Red 18.75ft Chip 18.75ft
 ** Spec 9" Russ 10" Red 9" Chip 9"
 *** Spec 48 Russ 44 Red 48 Chip 48

Table 3. Herbicides, Fumigants, Vine Killing, Environmental Factors, and Comments

| Item | California | | Colorado | Texas | |
|-------------------------------|------------|-----|----------|-------|-----|
| | KRN | TUL | SLV | SPR | DAL |
| Herbicides: | | | | | |
| Dual Magnum | | | | X | X |
| Eptam | | | | | X |
| Intensity | | | | | X |
| Liberate | | | | | X |
| Matrix | | X | | | X |
| Medal | | | | | X |
| Outlook | | X | | | |
| Reglone | | | | | X |
| Roundup | | | | X | |
| Sencor DF | | X | | X | X |
| Superb | | | | | X |
| Treflan | | | | X | |
| Vine Killing: | | | | | |
| Mechanical | | | | X | X |
| Reglone | | X | | | |
| Reglone/Super Tin 80WP | | | X | | |
| Environmental Factors: | | | | | |
| Cool/Wet Spring | | X | | | |
| Cool and Dry Summer | | | | | |
| Severe Frost | | | | | |
| Favorable | | X | | | |
| Hot Summer | | | | X | X |
| Above Av. Prec. | | | | X | X |
| Comments: | | | | | |
| Heavy Psyllid Pressure | | | | | |
| Poor Vine Kill | | | | | |
| Virus | | | | | |
| Dry/Cloddy Harv | | | | | |
| Wet Harvest | | | | | |

Table 4. Percent Stand and Stems/Hill for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | Percent Stand | | | | Stems per Hill | | | |
|------------------------|-----------------------|------------------|------------------|------|----------------|-------|-----|------|
| | Colorado ¹ | Texas | | Mean | Colorado | Texas | | Mean |
| | SLV | SPR ³ | DAL ⁴ | | SLV | SPR | DAL | |
| Specialty Trial | | | | | | | | |
| 1 Yukon Gold | 98 | 92 | | 95 | 2.5 | 1.6 | | 2.0 |
| 2 ATC00293 -1W/Y | 100 | 92 | | 96 | 3.5 | 1.8 | | 2.6 |
| 3 ATTX98500-3PW/Y | 90 | 86 | | 88 | 2.6 | 1.7 | | 2.1 |
| 4 ATTX00289-6W/Y | 93 | 81 | | 87 | 2.7 | 2.5 | | 2.6 |
| 5 CO00379-2R/Y | 99 | 95 | | 97 | 3.9 | 2.3 | | 3.1 |
| 6 CO00405-1R | 100 | 100 | | 100 | 3.6 | 3.6 | | 3.6 |
| 7 CO00412-5W/Y | 99 | 96 | | 98 | 4.8 | 3.1 | | 3.9 |
| 8 CO00415-1R | 97 | 100 | | 99 | 4.2 | 3.1 | | 3.7 |
| 9 TX1673-1W/Y | | 97 | | 97 | | 1.8 | | 1.8 |
| 10 TXYG055 | 96 | 95 | | 95 | 2.6 | 1.2 | | 1.9 |
| 11 TXYG057 | 95 | 96 | | 96 | 2.6 | 1.3 | | 2.0 |
| 12 TXYG079 | 99 | 94 | | 96 | 3.0 | 1.4 | | 2.2 |
| 13 TXYG098 | 98 | 96 | | 97 | 3.1 | 1.3 | | 2.2 |
| 14 TXYG105 | 97 | 98 | | 98 | 3.4 | 1.6 | | 2.5 |
| 15 TXYG107 | 100 | 96 | | 98 | 2.4 | 1.3 | | 1.8 |
| Russet Trial | | | | | | | | |
| 16 Russet Norkotah | 100 | 98 | | 99 | 3.4 | 1.9 | | 2.7 |
| 17 AC99375-1RU | 100 | 93 | | 96 | 3.0 | 2.0 | | 2.5 |
| 18 AOTX96216-2RU | 99 | 96 | | 98 | 2.4 | 1.5 | | 2.0 |
| 19 AOTX96265-2RU | 99 | 99 | | 99 | 3.6 | 1.8 | | 2.7 |
| 20 AOTX98152-3RU | 99 | 99 | | 99 | 5.0 | 1.8 | | 3.4 |
| 21 ATX9202-3RU | 100 | 99 | | 100 | 2.1 | 1.4 | | 1.8 |
| 22 ATX97147-4RU | 100 | 96 | | 98 | 3.0 | 1.7 | | 2.4 |
| 23 ATX99013-1RU | 99 | 100 | | 100 | 3.2 | 1.8 | | 2.5 |
| 24 CO99053-3RU | 100 | 99 | | 100 | 3.6 | 2.0 | | 2.8 |
| 25 CO99053-4RU | 99 | 99 | | 99 | 3.8 | 2.2 | | 3.0 |
| 26 CO99100-1RU | 100 | 98 | | 99 | 3.5 | 1.8 | | 2.6 |

Table 4. continued

| Clone / Variety | Percent Stand | | | | Stems per Hill | | | |
|-----------------------|-----------------------|------------------|------------------|------|----------------|-------|-----|------|
| | Colorado ¹ | Texas | | Mean | Colorado | Texas | | Mean |
| | SLV | SPR ³ | DAL ⁴ | | SLV | SPR | DAL | |
| Red Trial | | | | | | | | |
| 27 Norland (Dark Red) | 99 | 100 | | 100 | 3.9 | 2.6 | | 3.3 |
| 28 Red LaSoda | 99 | 100 | | 100 | 3.7 | 1.8 | | 2.7 |
| 29 AOTX91861-4R | 100 | 100 | | 100 | 4.2 | 2.3 | | 3.2 |
| 30 AOTX93483-1R | 99 | 94 | | 96 | 3.0 | 1.7 | | 2.3 |
| 31 ATTX98453-6R | 99 | 91 | | 95 | 2.6 | 1.4 | | 2.0 |
| 32 BTX2332-1R | 99 | 96 | | 98 | 3.7 | 2.2 | | 2.9 |
| 33 CO00277-2R | 100 | 95 | | 97 | 4.6 | 2.7 | | 3.7 |
| 34 CO00291-5R | 97 | 97 | | 97 | 3.3 | 2.3 | | 2.8 |
| 35 COTX94216-1R | 97 | 92 | | 94 | 4.3 | 2.0 | | 3.2 |
| 36 COTX94218-1R | 100 | 95 | | 97 | 4.7 | 2.0 | | 3.4 |
| 37 NDTX4784-7R | 98 | 79 | | 88 | 3.6 | 1.4 | | 2.5 |
| 38 NDTX4828-2R | 99 | 88 | | 94 | 2.9 | 1.4 | | 2.2 |
| 39 NDTX5003-2R | 91 | 94 | | 92 | 3.5 | 2.2 | | 2.9 |
| 40 NDTX7590-3R | 94 | 78 | | 86 | 2.3 | 1.5 | | 1.9 |
| Chip Trial | | | | | | | | |
| 41 Atlantic | 99 | 100 | 91 | 97 | 3.3 | 2.1 | | 2.7 |
| 42 Chipeta | 98 | 100 | 80 | 93 | 3.5 | 2.4 | | 2.9 |
| 43 AC00170-2W | 99 | 100 | 78 | 92 | 4.4 | 2.3 | | 3.3 |
| 44 CO00188-4W | 100 | 100 | 100 | 100 | 4.4 | 2.6 | | 3.5 |
| 45 CO00197-3W | 97 | 99 | 43 | 80 | 3.9 | 2.1 | | 3.0 |
| 46 CO00270-7W | 99 | 100 | 35 | 78 | 3.2 | 1.8 | | 2.5 |
| Mean | 98 | 95 | 71 | 94 | 4 | 2.0 | | 2.8 |

¹44 DAP

²60 DAP

³60 DAP

Table 5. Vine Size and Maturity for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | Vine Size (1-5=largest) | | | | Vine Maturity (1-5=latest) | | | |
|------------------------|-------------------------|-------|-----|------|----------------------------|-------|-----|------|
| | Colorado | Texas | | Mean | Colorado | Texas | | Mean |
| | SLV | SPR | DAL | | SLV | SPR | DAL | |
| Specialty Trial | | | | | | | | |
| 1 Yukon Gold | 3.0 | 3.4 | | 3.2 | 1.5 | 3.0 | | 2.3 |
| 2 ATX00293 -1W/Y | 4.3 | 4.1 | | 4.2 | 3.0 | 4.3 | | 3.7 |
| 3 ATTX98500-3PW/Y | 4.0 | 3.7 | | 3.9 | 3.3 | 3.1 | | 3.2 |
| 4 ATTX00289-6W/Y | 3.0 | 4.3 | | 3.6 | 2.0 | 4.5 | | 3.3 |
| 5 CO00379-2R/Y | 2.3 | 3.5 | | 2.9 | 1.8 | 3.2 | | 2.5 |
| 6 CO00405-1R | 2.3 | 3.7 | | 3.0 | 2.0 | 3.5 | | 2.8 |
| 7 CO00412-5W/Y | 3.8 | 4.0 | | 3.9 | 3.0 | 4.2 | | 3.6 |
| 8 CO00415-1R | 2.0 | 4.0 | | 3.0 | 1.8 | 3.6 | | 2.7 |
| 9 TX1673-1W/Y | | 3.6 | | 3.6 | | 3.4 | | 3.4 |
| 10 TXYG055 | 2.8 | 3.8 | | 3.3 | 1.8 | 3.2 | | 2.5 |
| 11 TXYG057 | 3.0 | 3.4 | | 3.2 | 1.8 | 3.1 | | 2.4 |
| 12 TXYG079 | 3.3 | 3.7 | | 3.5 | 2.0 | 3.3 | | 2.6 |
| 13 TXYG098 | 3.0 | 3.7 | | 3.4 | 1.5 | 3.3 | | 2.4 |
| 14 TXYG105 | 3.0 | 3.7 | | 3.4 | 1.8 | 3.5 | | 2.6 |
| 15 TXYG107 | 3.0 | 3.7 | | 3.3 | 2.0 | 3.4 | | 2.7 |
| Russet Trial | | | | | | | | |
| 16 Russet Norkotah | 3.8 | 4.0 | | 3.9 | 2.0 | 3.6 | | 2.8 |
| 17 AC99375-1RU | 5.0 | 4.1 | | 4.6 | 3.0 | 4.1 | | 3.5 |
| 18 AOTX96216-2RU | 4.5 | 4.2 | | 4.4 | 3.0 | 3.6 | | 3.3 |
| 19 AOTX96265-2RU | 4.5 | 3.8 | | 4.1 | 3.0 | 3.9 | | 3.4 |
| 20 AOTX98152-3RU | 3.3 | 3.6 | | 3.4 | 2.0 | 3.2 | | 2.6 |
| 21 ATX9202-3RU | 5.0 | 3.9 | | 4.5 | 3.0 | 4.1 | | 3.5 |
| 22 ATX97147-4RU | 5.0 | 3.8 | | 4.4 | 3.0 | 4.4 | | 3.7 |
| 23 ATX99013-1RU | 3.8 | 3.9 | | 3.8 | 2.0 | 4.0 | | 3.0 |
| 24 CO99053-3RU | 4.3 | 4.1 | | 4.2 | 3.0 | 4.1 | | 3.6 |
| 25 CO99053-4RU | 3.3 | 3.8 | | 3.5 | 2.3 | 3.4 | | 2.8 |
| 26 CO99100-1RU | 2.3 | 3.1 | | 2.7 | 1.0 | 3.0 | | 2.0 |

Table 5. continued

| Clone / Variety | Vine Size (1-5=largest) | | | | Vine Maturity (1-5=latest) | | | |
|-----------------------|-------------------------|-------|-----|------|----------------------------|-------|-----|------|
| | Colorado | Texas | | Mean | Colorado | Texas | | Mean |
| | SLV | SPR | DAL | | SLV | SPR | DAL | |
| Red Trial | | | | | | | | |
| 27 Norland (Dark Red) | 2.3 | 4.0 | | 3.1 | 1.0 | 3.6 | | 2.3 |
| 28 Red LaSoda | 3.8 | 3.8 | | 3.8 | 2.8 | 3.6 | | 3.2 |
| 29 AOTX91861-4R | 2.8 | 3.9 | | 3.3 | 1.3 | 3.8 | | 2.5 |
| 30 AOTX93483-1R | 3.8 | 4.3 | | 4.0 | 3.0 | 4.5 | | 3.7 |
| 31 ATTX98453-6R | 2.5 | 3.8 | | 3.2 | 2.0 | 3.6 | | 2.8 |
| 32 BTX2332-1R | 3.0 | 3.9 | | 3.4 | 1.8 | 3.8 | | 2.8 |
| 33 CO00277-2R | 3.0 | 3.4 | | 3.2 | 2.0 | 3.5 | | 2.8 |
| 34 CO00291-5R | 4.3 | 4.4 | | 4.3 | 3.8 | 4.4 | | 4.1 |
| 35 COTX94216-1R | 3.5 | 3.6 | | 3.5 | 1.8 | 3.5 | | 2.6 |
| 36 COTX94218-1R | 4.3 | 4.3 | | 4.3 | 3.8 | 4.5 | | 4.1 |
| 37 NDTX4784-7R | 3.3 | 3.7 | | 3.5 | 2.8 | 3.5 | | 3.1 |
| 38 NDTX4828-2R | 3.3 | 3.8 | | 3.5 | 3.0 | 3.7 | | 3.3 |
| 39 NDTX5003-2R | 3.5 | 3.8 | | 3.7 | 2.8 | 3.4 | | 3.1 |
| 40 NDTX7590-3R | 2.3 | 3.0 | | 2.6 | 2.8 | 3.1 | | 2.9 |
| Chip Trial | | | | | | | | |
| 41 Atlantic | 3.5 | 4.5 | 4.6 | 4.2 | 3.0 | 4.3 | 3.8 | 3.7 |
| 42 Chipeta | 5.0 | 4.9 | 4.7 | 4.9 | 3.0 | 4.8 | 5.0 | 4.3 |
| 43 AC00170-2W | 2.5 | 4.5 | 4.0 | 3.7 | 1.5 | 4.5 | 3.2 | 3.1 |
| 44 CO00188-4W | 3.0 | 4.6 | 4.3 | 4.0 | 2.8 | 4.2 | 3.6 | 3.5 |
| 45 CO00197-3W | 3.5 | 4.7 | 3.9 | 4.0 | 2.0 | 4.7 | 4.7 | 3.8 |
| 46 CO00270-7W | 3.3 | 4.6 | 3.3 | 3.7 | 2.5 | 4.2 | 4.3 | 3.7 |
| Mean | 3.3 | 4.1 | 4.1 | 3.7 | 2.5 | 4.0 | 4.1 | 3.3 |

Table 6. Total Yield, Yield Rank Within Type (Specialty, Russet, Red, Chipping), and Merit Score1 (MS), for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | California | | | | Colorado | | | Texas | | | | | | Mean | | |
|------------------------|------------|------|-------|------|----------|------|-----|-------|------|-----|-------|------|----|-------|------|-----|
| | KRN | | TUL | | SLV | | | SPR | | | DAL | | | Cwt/A | Rank | MS |
| | Cwt/A | Rank | Cwt/A | Rank | Cwt/A | Rank | MS | Cwt/A | Rank | MS | Cwt/A | Rank | MS | | | |
| Specialty Trial | | | | | | | | | | | | | | | | |
| 1 Yukon Gold | 578 | 6 | 424 | 9 | 480 | 4 | 3.0 | 328 | 9 | 3.9 | | | | 453 | 6 | 3.4 |
| 2 ATC00293 -1W/Y | 769 | 3 | 594 | 1 | 621 | 1 | 4.0 | 330 | 8 | 2.5 | | | | 578 | 1 | 3.3 |
| 3 ATTX98500-3PW/Y | 727 | 5 | 423 | 11 | 585 | 2 | 4.0 | 384 | 3 | 3.9 | | | | 530 | 3 | 3.9 |
| 4 ATTX00289-6W/Y | 961 | 1 | 476 | 3 | 466 | 5 | 3.0 | 188 | 13 | 2.8 | | | | 523 | 5 | 2.9 |
| 5 CO00379-2R/Y | 453 | 8 | 462 | 5 | 398 | 13 | 1.0 | 249 | 11 | 3.7 | | | | 390 | 11 | 2.4 |
| 6 CO00405-1R | 336 | 9 | 288 | 15 | 370 | 14 | 3.0 | 152 | 15 | 3.0 | | | | 286 | 15 | 3.0 |
| 7 CO00412-5W/Y | 916 | 2 | 498 | 2 | 579 | 3 | 3.0 | 159 | 14 | 1.0 | | | | 538 | 2 | 2.0 |
| 8 CO00415-1R | 489 | 7 | 352 | 14 | 420 | 11 | 4.0 | 220 | 12 | 3.2 | | | | 370 | 14 | 3.6 |
| 9 TX1673-1W/Y | 762 | 4 | 458 | 7 | | | | 349 | 5 | 4.0 | | | | 523 | 4 | 4.0 |
| 10 TXYG055 | | | 424 | 9 | 409 | 12 | 2.0 | 391 | 2 | 4.0 | | | | 408 | 10 | 3.0 |
| 11 TXYG057 | | | 453 | 8 | 448 | 7 | 3.0 | 333 | 7 | 3.8 | | | | 412 | 9 | 3.4 |
| 12 TXYG079 | | | 461 | 6 | 438 | 10 | 2.0 | 397 | 1 | 4.0 | | | | 432 | 7 | 3.0 |
| 13 TXYG098 | | | 416 | 12 | 443 | 8 | 2.0 | 304 | 10 | 3.3 | | | | 388 | 13 | 2.7 |
| 14 TXYG105 | | | 383 | 13 | 439 | 9 | 1.0 | 347 | 6 | 3.8 | | | | 390 | 12 | 2.4 |
| 15 TXYG107 | | | 471 | 4 | 461 | 6 | 3.0 | 374 | 4 | 4.0 | | | | 422 | 8 | 3.5 |
| Russet Trial | | | | | | | | | | | | | | | | |
| 16 Russet Norkotah | 510 | 10 | 368 | 10 | 517 | 6 | 4.0 | 199 | 9 | 2.7 | | | | 398 | 11 | 3.3 |
| 17 AC99375-1RU | 773 | 3 | 593 | 1 | 540 | 3 | 3.0 | 197 | 10 | 2.8 | | | | 526 | 2 | 2.9 |
| 18 AOTX96216-2RU | 827 | 2 | 433 | 8 | 479 | 7 | 1.0 | 254 | 5 | 4.0 | | | | 498 | 4 | 2.5 |
| 19 AOTX96265-2RU | 625 | 6 | 517 | 6 | 544 | 2 | 5.0 | 210 | 8 | 3.5 | | | | 474 | 6 | 4.3 |
| 20 AOTX98152-3RU | 931 | 1 | 575 | 2 | 473 | 9 | 1.0 | 322 | 2 | 3.3 | | | | 575 | 1 | 2.1 |
| 21 ATX9202-3RU | 708 | 4 | 533 | 4 | 563 | 1 | 4.0 | 213 | 7 | 2.8 | | | | 504 | 3 | 3.4 |
| 22 ATX97147-4RU | 569 | 9 | 552 | 3 | 536 | 4 | 4.0 | 189 | 11 | 2.9 | | | | 461 | 7 | 3.4 |
| 23 ATX99013-1RU | | | 422 | 9 | 475 | 8 | 3.0 | 305 | 3 | 2.8 | | | | 401 | 10 | 2.9 |
| 24 CO99053-3RU | 654 | 5 | 530 | 5 | 526 | 5 | 4.0 | 247 | 6 | 2.4 | | | | 489 | 5 | 3.2 |
| 25 CO99053-4RU | 593 | 7 | 353 | 11 | 403 | 10 | 1.0 | 277 | 4 | 2.1 | | | | 406 | 9 | 1.6 |
| 26 CO99100-1RU | 589 | 8 | 443 | 7 | 391 | 11 | 1.0 | 352 | 1 | 3.9 | | | | 444 | 8 | 2.4 |

Table 6. continued

| Clone / Variety | California | | | | Colorado | | | Texas | | | | | | Mean | | |
|-----------------------|------------|------|------------|------|------------|------|------------|------------|------|------------|------------|------|------------|------------|------|------------|
| | KRN | | TUL | | SLV | | | SPR | | | DAL | | | Cwt/A | Rank | MS |
| | Cwt/A | Rank | Cwt/A | Rank | Cwt/A | Rank | MS | Cwt/A | Rank | MS | Cwt/A | Rank | MS | | | |
| Red Trial | | | | | | | | | | | | | | | | |
| 27 Norland (Dark Red) | 485 | 13 | 535 | 6 | 497 | 7 | 2.0 | 374 | 4 | 3.7 | | | | 473 | 7 | 2.8 |
| 28 Red LaSoda | 983 | 1 | 540 | 5 | 656 | 1 | 1.0 | 418 | 2 | 3.0 | | | | 649 | 1 | 2.0 |
| 29 AOTX91861-4R | 749 | 4 | 585 | 3 | 447 | 9 | 1.0 | 390 | 3 | 3.1 | | | | 543 | 4 | 2.0 |
| 30 AOTX93483-1R | 796 | 3 | 735 | 1 | 648 | 2 | 4.0 | 236 | 14 | 2.8 | | | | 604 | 2 | 3.4 |
| 31 ATTX98453-6R | 565 | 9 | 493 | 8 | 410 | 13 | 1.0 | 342 | 6 | 3.9 | | | | 452 | 11 | 2.5 |
| 32 BTX2332-1R | 875 | 2 | 541 | 4 | 507 | 6 | 2.0 | 437 | 1 | 3.8 | | | | 590 | 3 | 2.9 |
| 33 CO00277-2R | 710 | 5 | 480 | 9 | 416 | 11 | 1.0 | 334 | 7 | 2.2 | | | | 485 | 6 | 1.6 |
| 34 CO00291-5R | 416 | 14 | 390 | 14 | 414 | 12 | 1.0 | 280 | 11 | 3.1 | | | | 375 | 14 | 2.1 |
| 35 COTX94216-1R | 623 | 6 | 426 | 12 | 509 | 4 | 3.0 | 294 | 10 | 3.0 | | | | 463 | 9 | 3.0 |
| 36 COTX94218-1R | 609 | 7 | 403 | 13 | 614 | 3 | 4.0 | 248 | 13 | 3.3 | | | | 469 | 8 | 3.6 |
| 37 NDTX4784-7R | 571 | 8 | 593 | 2 | 507 | 5 | 2.0 | 313 | 9 | 3.6 | | | | 496 | 5 | 2.8 |
| 38 NDTX4828-2R | 501 | 12 | 454 | 11 | 448 | 8 | 1.0 | 270 | 12 | 3.3 | | | | 418 | 13 | 2.1 |
| 39 NDTX5003-2R | 558 | 10 | 494 | 7 | 404 | 14 | 1.0 | 361 | 5 | 3.5 | | | | 454 | 10 | 2.3 |
| 40 NDTX7590-3R | 546 | 11 | 468 | 10 | 422 | 10 | 1.0 | 323 | 8 | 3.6 | | | | 440 | 12 | 2.3 |
| Chip Trial | | | | | | | | | | | | | | | | |
| 41 Atlantic | 774 | 2 | 476 | 2 | 527 | 2 | 3.0 | 273 | 3 | 3.3 | 428 | 2 | 3.3 | 495 | 1 | 3.2 |
| 42 Chipeta | 862 | 1 | 533 | 1 | 607 | 1 | 5.0 | 116 | 6 | 2.5 | 346 | 5 | 2.9 | 493 | 2 | 3.5 |
| 43 AC00170-2W | 253 | 6 | 397 | 6 | 447 | 6 | 1.0 | 268 | 4 | 2.3 | 395 | 3 | 3.0 | 352 | 6 | 2.1 |
| 44 CO00188-4W | 362 | 4 | 469 | 3 | 483 | 3 | 2.0 | 401 | 1 | 4.0 | 352 | 4 | 3.2 | 413 | 3 | 3.1 |
| 45 CO00197-3W | 284 | 5 | 452 | 5 | 456 | 4 | 1.0 | 318 | 2 | 2.3 | 450 | 1 | 3.1 | 392 | 4 | 2.1 |
| 46 CO00270-7W | 493 | 3 | 456 | 4 | 456 | 4 | 3.0 | 227 | 5 | 3.0 | 203 | 6 | 2.6 | 367 | 5 | 2.9 |
| Mean | 601 | | 496 | | 494 | | 2.0 | 311 | | 3.2 | 362 | | 3.0 | 471 | | 2.6 |

¹ 1-5=excellent

Table 7. Yield and Percent of U.S. No. 1's (>4oz.) and Yield Rank Within Type (Specialty, Russet, Chipping) for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | California | | | | | | Colorado | | | Texas | | | | | | Mean | | |
|---------------------------|------------|------|----|-------|------|----|----------|------|----|-------|------|-----|-------|------|---|-------|------|----|
| | KRN | | | TUL | | | SLV | | | SPR | | | DAL | | | Mean | | |
| | Cwt/A | Rank | % | Cwt/A | Rank | % | Cwt/A | Rank | % | Cwt/A | Rank | % | Cwt/A | Rank | % | Cwt/A | Rank | % |
| Specialty Trial | | | | | | | | | | | | | | | | | | |
| 1 Yukon Gold | 492 | 6 | 85 | 372 | 8 | 88 | 434 | 4 | 90 | 206 | 7 | 63 | | | | 376 | 5 | 82 |
| 2 ATC00293 -1W/Y | 658 | 3 | 86 | 505 | 1 | 85 | 517 | 1 | 83 | 162 | 11 | 49 | | | | 460 | 1 | 76 |
| 3 ATTX98500-3PW/Y | 529 | 5 | 73 | 318 | 12 | 75 | 444 | 3 | 76 | 254 | 1 | 66 | | | | 386 | 4 | 73 |
| 4 ATTX00289-6W/Y | 847 | 1 | 88 | 411 | 2 | 86 | 383 | 8 | 82 | 94 | 14 | 50 | | | | 434 | 3 | 77 |
| 5 CO00379-2R/Y | 253 | 7 | 56 | 380 | 7 | 82 | 269 | 14 | 68 | 149 | 13 | 60 | | | | 263 | 13 | 66 |
| 6 CO00405-1R ¹ | 68 | 8 | 20 | 102 | 15 | 35 | 329 | 13 | 89 | 151 | 12 | 99 | | | | 162 | 15 | 61 |
| 7 CO00412-5W/Y | 642 | 4 | 70 | 370 | 10 | 74 | 448 | 2 | 77 | 7 | 15 | 4 | | | | 366 | 6 | 56 |
| 8 CO00415-1R ¹ | 54 | 9 | 11 | 120 | 14 | 34 | 377 | 9 | 90 | 220 | 5 | 100 | | | | 193 | 14 | 59 |
| 9 TX1673-1W/Y | 662 | 2 | 87 | 408 | 4 | 89 | | | | 250 | 2 | 72 | | | | 440 | 2 | 83 |
| 10 TXYG055 | | | | 372 | 8 | 88 | 357 | 12 | 87 | 216 | 6 | 55 | | | | 315 | 10 | 77 |
| 11 TXYG057 | | | | 406 | 6 | 90 | 393 | 6 | 88 | 196 | 8 | 59 | | | | 332 | 9 | 79 |
| 12 TXYG079 | | | | 407 | 5 | 88 | 373 | 11 | 85 | 234 | 3 | 59 | | | | 338 | 8 | 77 |
| 13 TXYG098 | | | | 358 | 11 | 86 | 377 | 9 | 85 | 165 | 10 | 54 | | | | 300 | 11 | 75 |
| 14 TXYG105 | | | | 313 | 13 | 82 | 383 | 7 | 87 | 184 | 9 | 53 | | | | 293 | 12 | 74 |
| 15 TXYG107 | | | | 409 | 3 | 87 | 407 | 5 | 88 | 225 | 4 | 60 | | | | 347 | 7 | 78 |
| Russet Trial | | | | | | | | | | | | | | | | | | |
| 16 Russet Norkotah | 400 | 9 | 78 | 284 | 10 | 77 | 455 | 4 | 88 | 107 | 9 | 54 | | | | 311 | 9 | 74 |
| 17 AC99375-1RU | 646 | 3 | 84 | 523 | 1 | 88 | 419 | 6 | 78 | 87 | 11 | 44 | | | | 419 | 4 | 73 |
| 18 AOTX96216-2RU | 773 | 1 | 93 | 376 | 8 | 87 | 350 | 8 | 73 | 194 | 3 | 77 | | | | 423 | 3 | 82 |
| 19 AOTX96265-2RU | 509 | 6 | 81 | 468 | 5 | 91 | 500 | 1 | 92 | 176 | 5 | 84 | | | | 413 | 5 | 87 |
| 20 AOTX98152-3RU | 748 | 2 | 80 | 486 | 2 | 85 | 293 | 11 | 62 | 213 | 2 | 66 | | | | 435 | 1 | 73 |
| 21 ATX9202-3RU | 568 | 4 | 80 | 486 | 2 | 91 | 492 | 2 | 87 | 165 | 7 | 78 | | | | 428 | 2 | 84 |
| 22 ATX97147-4RU | 366 | 10 | 64 | 467 | 6 | 85 | 433 | 5 | 81 | 123 | 8 | 65 | | | | 347 | 8 | 74 |
| 23 ATX99013-1RU | | | | 315 | 9 | 75 | 400 | 7 | 84 | 189 | 4 | 62 | | | | 302 | 10 | 74 |
| 24 CO99053-3RU | 524 | 5 | 80 | 469 | 4 | 88 | 465 | 3 | 88 | 172 | 6 | 70 | | | | 407 | 6 | 82 |
| 25 CO99053-4RU | 466 | 7 | 79 | 278 | 11 | 79 | 325 | 9 | 81 | 98 | 10 | 35 | | | | 292 | 11 | 68 |
| 26 CO99100-1RU | 434 | 8 | 74 | 407 | 7 | 92 | 299 | 10 | 76 | 286 | 1 | 81 | | | | 356 | 7 | 81 |

Table 7. continued

| Clone / Variety | California | | | | | | Colorado | | | Texas | | | | | | Mean | | |
|-----------------------|------------|------|----|-------|------|----|----------|------|----|-------|------|----|-------|------|-----|-------|------|----|
| | KRN | | | TUL | | | SLV | | | SPR | | | DAL | | | Mean | | |
| | Cwt/A | Rank | % | Cwt/A | Rank | % | Cwt/A | Rank | % | Cwt/A | Rank | % | Cwt/A | Rank | % | Cwt/A | Rank | % |
| Red Trial | | | | | | | | | | | | | | | | | | |
| 27 Norland (Dark Red) | 399 | 10 | 82 | 501 | 6 | 94 | 403 | 6 | 81 | 232 | 9 | 62 | | | | 384 | 6 | 80 |
| 28 Red LaSoda | 859 | 1 | 87 | 503 | 5 | 93 | 515 | 2 | 78 | 243 | 7 | 58 | | | | 530 | 2 | 79 |
| 29 AOTX91861-4R | 634 | 4 | 85 | 528 | 3 | 90 | 367 | 7 | 82 | 278 | 4 | 71 | | | | 452 | 4 | 82 |
| 30 AOTX93483-1R | 693 | 3 | 87 | 702 | 1 | 96 | 569 | 1 | 88 | 201 | 10 | 85 | | | | 541 | 1 | 89 |
| 31 ATTX98453-6R | 453 | 7 | 80 | 457 | 7 | 93 | 320 | 10 | 78 | 305 | 2 | 89 | | | | 384 | 7 | 85 |
| 32 BTX2332-1R | 736 | 2 | 84 | 510 | 4 | 94 | 426 | 4 | 84 | 338 | 1 | 77 | | | | 502 | 3 | 85 |
| 33 CO00277-2R | 551 | 5 | 78 | 422 | 9 | 88 | 287 | 12 | 69 | 130 | 14 | 39 | | | | 348 | 9 | 68 |
| 34 CO00291-5R | 277 | 14 | 66 | 340 | 13 | 87 | 325 | 9 | 79 | 151 | 13 | 54 | | | | 273 | 13 | 72 |
| 35 COTX94216-1R | 286 | 13 | 46 | 339 | 14 | 80 | 251 | 14 | 49 | 200 | 11 | 68 | | | | 269 | 14 | 61 |
| 36 COTX94218-1R | 400 | 9 | 66 | 345 | 11 | 86 | 460 | 3 | 75 | 178 | 12 | 72 | | | | 346 | 10 | 74 |
| 37 NDTX4784-7R | 433 | 8 | 76 | 536 | 2 | 90 | 415 | 5 | 82 | 261 | 6 | 84 | | | | 411 | 5 | 83 |
| 38 NDTX4828-2R | 368 | 11 | 73 | 367 | 10 | 81 | 360 | 8 | 80 | 242 | 8 | 90 | | | | 334 | 11 | 81 |
| 39 NDTX5003-2R | 340 | 12 | 61 | 446 | 8 | 90 | 260 | 13 | 64 | 267 | 5 | 74 | | | | 328 | 12 | 72 |
| 40 NDTX7590-3R | 455 | 6 | 83 | 344 | 12 | 74 | 315 | 11 | 75 | 287 | 3 | 89 | | | | 350 | 8 | 80 |
| Chip Trial | | | | | | | | | | | | | | | | | | |
| 41 Atlantic | 622 | 2 | 80 | 377 | 3 | 79 | 438 | 2 | 83 | 228 | 2 | 83 | 426 | 1 | 99 | 418 | 2 | 85 |
| 42 Chipeta | 803 | 1 | 93 | 508 | 1 | 95 | 494 | 1 | 81 | 88 | 6 | 76 | 346 | 4 | 100 | 448 | 1 | 89 |
| 43 AC00170-2W | 173 | 5 | 68 | 230 | 6 | 58 | 258 | 6 | 58 | 123 | 5 | 46 | 392 | 3 | 99 | 235 | 6 | 66 |
| 44 CO00188-4W | 307 | 4 | 85 | 372 | 4 | 79 | 341 | 4 | 71 | 320 | 1 | 80 | 341 | 5 | 97 | 336 | 3 | 82 |
| 45 CO00197-3W | 167 | 6 | 59 | 356 | 5 | 79 | 270 | 5 | 59 | 170 | 3 | 53 | 396 | 2 | 88 | 272 | 5 | 68 |
| 46 CO00270-7W | 463 | 3 | 94 | 412 | 2 | 90 | 378 | 3 | 83 | 152 | 4 | 67 | 193 | 6 | 95 | 320 | 4 | 86 |
| Mean | 489 | | 74 | 400 | | 83 | 386 | | 79 | 194 | | 66 | 349 | | 97 | 361 | | 76 |

¹ Fingerlings - Data from Colorado includes tubers greater than 2 inches in length and from Texas tubers 1 - 6 inches in length

Table 8. Yield and Percent of U.S. No. 1's (>10oz.) for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | California | | | | Colorado | | Texas | | | | Mean | |
|---------------------------|------------------|----|------------------|----|----------|----|-------|----|-------|---|-------|----|
| | KRN ¹ | | TUL ¹ | | SLV | | SPR | | DAL | | Mean | |
| | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % |
| Specialty Trial | | | | | | | | | | | | |
| 1 Yukon Gold | 98 | 17 | 163 | 38 | 219 | 46 | 18 | 5 | | | 125 | 27 |
| 2 ATC00293 -1W/Y | 152 | 20 | 167 | 28 | 141 | 23 | 7 | 2 | | | 117 | 18 |
| 3 ATTX98500-3PW/Y | 74 | 10 | 61 | 14 | 112 | 19 | 40 | 10 | | | 72 | 14 |
| 4 ATTX00289-6W/Y | 235 | 24 | 170 | 36 | 79 | 17 | 0 | 0 | | | 121 | 19 |
| 5 CO00379-2R/Y | 6 | 1 | 95 | 21 | 37 | 9 | 0 | 0 | | | 34 | 8 |
| 6 CO00405-1R ² | 12 | 3 | 0 | 0 | 6 | 2 | 0 | 0 | | | 4 | 1 |
| 7 CO00412-5W/Y | 41 | 5 | 61 | 12 | 84 | 15 | 0 | 0 | | | 47 | 8 |
| 8 CO00415-1R ² | 6 | 1 | 2 | 1 | 6 | 1 | 0 | 0 | | | 4 | 1 |
| 9 TX1673-1W/Y | 107 | 14 | 138 | 30 | | | 79 | 23 | | | 108 | 22 |
| 10 TXYG055 | | | 130 | 31 | 119 | 29 | 42 | 11 | | | 97 | 24 |
| 11 TXYG057 | | | 164 | 36 | 152 | 34 | 19 | 6 | | | 112 | 25 |
| 12 TXYG079 | | | 188 | 41 | 150 | 34 | 35 | 9 | | | 124 | 28 |
| 13 TXYG098 | | | 132 | 32 | 153 | 35 | 16 | 5 | | | 100 | 24 |
| 14 TXYG105 | | | 79 | 21 | 129 | 29 | 10 | 3 | | | 72 | 18 |
| 15 TXYG107 | | | 180 | 38 | 178 | 39 | 40 | 11 | | | 133 | 29 |
| Russet Trial | | | | | | | | | | | | |
| 16 Russet Norkotah | 36 | 7 | 32 | 9 | 172 | 33 | 33 | 17 | | | 68 | 16 |
| 17 AC99375-1RU | 115 | 15 | 148 | 25 | 74 | 14 | 6 | 3 | | | 86 | 14 |
| 18 AOTX96216-2RU | 300 | 36 | 267 | 62 | 232 | 48 | 90 | 36 | | | 222 | 45 |
| 19 AOTX96265-2RU | 52 | 8 | 169 | 33 | 173 | 32 | 104 | 50 | | | 125 | 31 |
| 20 AOTX98152-3RU | 95 | 10 | 96 | 17 | 42 | 9 | 118 | 37 | | | 88 | 18 |
| 21 ATX9202-3RU | 99 | 14 | 156 | 29 | 145 | 26 | 65 | 30 | | | 116 | 25 |
| 22 ATX97147-4RU | 46 | 8 | 169 | 31 | 98 | 18 | 35 | 19 | | | 87 | 19 |
| 23 ATX99013-1RU | | | 29 | 7 | 140 | 30 | 78 | 25 | | | 82 | 21 |
| 24 CO99053-3RU | 91 | 14 | 196 | 37 | 159 | 30 | 57 | 23 | | | 126 | 26 |
| 25 CO99053-4RU | 74 | 12 | 27 | 8 | 67 | 17 | 17 | 6 | | | 46 | 11 |
| 26 CO99100-1RU | 51 | 9 | 87 | 20 | 48 | 12 | 69 | 20 | | | 64 | 15 |

Table 8. continued

| Clone / Variety | California | | | | Colorado | | Texas | | | | Mean | |
|-----------------------|------------------|----|------------------|----|----------|----|-------|----|-------|----|-------|----|
| | KRN ¹ | | TUL ¹ | | SLV | | SPR | | DAL | | Mean | |
| | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % |
| Red Trial | | | | | | | | | | | | |
| 27 Norland (Dark Red) | 82 | 17 | 246 | 46 | 49 | 10 | 18 | 5 | | | 99 | 19 |
| 28 Red LaSoda | 144 | 15 | 294 | 54 | 109 | 17 | 72 | 17 | | | 155 | 26 |
| 29 AOTX91861-4R | 49 | 7 | 141 | 24 | 71 | 16 | 52 | 13 | | | 78 | 15 |
| 30 AOTX93483-1R | 159 | 20 | 545 | 74 | 245 | 38 | 74 | 31 | | | 256 | 41 |
| 31 ATTX98453-6R | 13 | 2 | 281 | 57 | 51 | 12 | 154 | 45 | | | 125 | 29 |
| 32 BTX2332-1R | 153 | 17 | 307 | 57 | 108 | 21 | 61 | 14 | | | 157 | 27 |
| 33 CO00277-2R | 72 | 10 | 161 | 34 | 55 | 13 | 2 | 1 | | | 73 | 14 |
| 34 CO00291-5R | 23 | 6 | 40 | 10 | 17 | 4 | 5 | 2 | | | 21 | 5 |
| 35 COTX94216-1R | 0 | 0 | 75 | 18 | 34 | 7 | 32 | 11 | | | 35 | 9 |
| 36 COTX94218-1R | 23 | 4 | 98 | 24 | 69 | 11 | 18 | 7 | | | 52 | 12 |
| 37 NDTX4784-7R | 33 | 6 | 213 | 36 | 78 | 15 | 52 | 17 | | | 94 | 18 |
| 38 NDTX4828-2R | 45 | 9 | 99 | 22 | 105 | 23 | 43 | 16 | | | 73 | 18 |
| 39 NDTX5003-2R | 23 | 4 | 154 | 31 | 27 | 7 | 31 | 9 | | | 59 | 13 |
| 40 NDTX7590-3R | 83 | 15 | 138 | 29 | 31 | 7 | 105 | 32 | | | 89 | 21 |
| Chip Trial | | | | | | | | | | | | |
| 41 Atlantic | 92 | 12 | 71 | 15 | 86 | 16 | 19 | 7 | 116 | 27 | 77 | 15 |
| 42 Chipeta | 166 | 19 | 293 | 55 | 106 | 17 | 11 | 10 | 204 | 59 | 156 | 32 |
| 43 AC00170-2W | 0 | 0 | 13 | 3 | 6 | 1 | 0 | 0 | 36 | 9 | 11 | 3 |
| 44 CO00188-4W | 43 | 12 | 50 | 11 | 29 | 6 | 5 | 1 | 36 | 10 | 33 | 8 |
| 45 CO00197-3W | 29 | 10 | 66 | 15 | 35 | 8 | 0 | 0 | 116 | 26 | 49 | 12 |
| 46 CO00270-7W | 96 | 20 | 160 | 35 | 73 | 16 | 2 | 1 | 104 | 51 | 87 | 25 |
| Mean | 77 | 11 | 142 | 28 | 95 | 19 | 38 | 13 | 102 | 30 | 90 | 19 |

¹ > 12 oz on Russets

² Fingerlings - Data from Colorado and Texas are for tubers over 6 inches in length

Table 9. Yield and Percent of U.S. No. 1's (6 - 10oz.) for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | California | | | | Colorado | | Texas | | | | Mean | |
|---------------------------|------------------|----|------------------|----|------------------|----|-------|----|-------|---|-------|----|
| | KRN ¹ | | TUL ² | | SLV ³ | | SPR | | DAL | | | |
| | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % |
| Specialty Trial | | | | | | | | | | | | |
| 1 Yukon Gold | 233 | 40 | 142 | 33 | 215 | 45 | 94 | 29 | | | 171 | 37 |
| 2 ATC00293 -1W/Y | 273 | 36 | 239 | 40 | 376 | 61 | 69 | 21 | | | 239 | 39 |
| 3 ATTX98500-3PW/Y | 188 | 26 | 164 | 39 | 332 | 57 | 131 | 34 | | | 204 | 39 |
| 4 ATTX00289-6W/Y | 396 | 41 | 170 | 36 | 304 | 65 | 21 | 11 | | | 223 | 38 |
| 5 CO00379-2R/Y | 77 | 17 | 180 | 39 | 232 | 58 | 37 | 15 | | | 132 | 32 |
| 6 CO00405-1R ⁴ | 3 | 1 | 27 | 9 | 101 | 27 | 22 | 14 | | | 38 | 13 |
| 7 CO00412-5W/Y | 178 | 19 | 170 | 34 | 364 | 63 | 0 | 0 | | | 178 | 29 |
| 8 CO00415-1R ⁴ | 7 | 1 | 26 | 7 | 93 | 22 | 71 | 32 | | | 49 | 16 |
| 9 TX1673-1W/Y | 303 | 40 | 184 | 40 | | | 105 | 30 | | | 197 | 37 |
| 10 TXYG055 | | | 167 | 39 | 238 | 58 | 83 | 21 | | | 163 | 40 |
| 11 TXYG057 | | | 177 | 39 | 241 | 54 | 78 | 23 | | | 165 | 39 |
| 12 TXYG079 | | | 155 | 34 | 223 | 51 | 83 | 21 | | | 154 | 35 |
| 13 TXYG098 | | | 149 | 36 | 224 | 51 | 54 | 18 | | | 142 | 35 |
| 14 TXYG105 | | | 153 | 40 | 254 | 58 | 67 | 19 | | | 158 | 39 |
| 15 TXYG107 | | | 156 | 33 | 230 | 50 | 100 | 27 | | | 162 | 37 |
| Russet Trial | | | | | | | | | | | | |
| 16 Russet Norkotah | 149 | 29 | 83 | 23 | 283 | 55 | 38 | 19 | | | 138 | 31 |
| 17 AC99375-1RU | 213 | 28 | 169 | 28 | 345 | 64 | 19 | 10 | | | 187 | 32 |
| 18 AOTX96216-2RU | 337 | 41 | 68 | 16 | 118 | 25 | 61 | 24 | | | 146 | 26 |
| 19 AOTX96265-2RU | 188 | 30 | 181 | 35 | 327 | 60 | 57 | 27 | | | 188 | 38 |
| 20 AOTX98152-3RU | 264 | 28 | 182 | 32 | 251 | 53 | 56 | 17 | | | 188 | 33 |
| 21 ATX9202-3RU | 227 | 32 | 193 | 36 | 347 | 62 | 55 | 26 | | | 206 | 39 |
| 22 ATX97147-4RU | 114 | 20 | 169 | 31 | 335 | 62 | 36 | 19 | | | 163 | 33 |
| 23 ATX99013-1RU | | | 97 | 23 | 260 | 55 | 57 | 19 | | | 138 | 32 |
| 24 CO99053-3RU | 187 | 29 | 150 | 28 | 306 | 58 | 67 | 27 | | | 177 | 36 |
| 25 CO99053-4RU | 219 | 37 | 89 | 25 | 259 | 64 | 34 | 12 | | | 150 | 35 |
| 26 CO99100-1RU | 169 | 29 | 171 | 39 | 251 | 64 | 132 | 37 | | | 181 | 42 |

Table 9. continued

| Clone / Variety | California | | | | Colorado | | Texas | | | | Mean | |
|-----------------------|------------------|----|------------------|----|------------------|----|-------|----|-------|----|-------|----|
| | KRN ¹ | | TUL ² | | SLV ³ | | SPR | | DAL | | Mean | |
| | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % |
| Red Trial | | | | | | | | | | | | |
| 27 Norland (Dark Red) | 152 | 31 | 194 | 36 | 354 | 71 | 128 | 34 | | | 207 | 43 |
| 28 Red LaSoda | 356 | 36 | 161 | 30 | 405 | 62 | 59 | 14 | | | 245 | 35 |
| 29 AOTX91861-4R | 267 | 36 | 284 | 49 | 296 | 66 | 74 | 19 | | | 230 | 42 |
| 30 AOTX93483-1R | 276 | 35 | 177 | 24 | 324 | 50 | 60 | 25 | | | 209 | 34 |
| 31 ATTX98453-6R | 137 | 24 | 141 | 29 | 269 | 66 | 84 | 25 | | | 158 | 36 |
| 32 BTX2332-1R | 277 | 32 | 160 | 30 | 317 | 63 | 134 | 31 | | | 222 | 39 |
| 33 CO00277-2R | 213 | 30 | 189 | 39 | 232 | 56 | 32 | 10 | | | 167 | 34 |
| 34 CO00291-5R | 92 | 22 | 194 | 50 | 309 | 74 | 17 | 6 | | | 153 | 38 |
| 35 COTX94216-1R | 56 | 9 | 151 | 35 | 217 | 43 | 62 | 21 | | | 121 | 27 |
| 36 COTX94218-1R | 107 | 18 | 163 | 40 | 391 | 64 | 73 | 30 | | | 184 | 38 |
| 37 NDTX4784-7R | 149 | 26 | 247 | 42 | 337 | 66 | 98 | 31 | | | 208 | 41 |
| 38 NDTX4828-2R | 127 | 25 | 165 | 36 | 255 | 57 | 116 | 43 | | | 166 | 40 |
| 39 NDTX5003-2R | 104 | 19 | 202 | 41 | 233 | 58 | 112 | 31 | | | 163 | 37 |
| 40 NDTX7590-3R | 209 | 38 | 147 | 31 | 284 | 67 | 97 | 30 | | | 184 | 42 |
| Chip Trial | | | | | | | | | | | | |
| 41 Atlantic | 219 | 28 | 190 | 40 | 352 | 67 | 101 | 37 | 291 | 68 | 231 | 48 |
| 42 Chipeta | 413 | 48 | 178 | 33 | 387 | 64 | 50 | 43 | 136 | 39 | 233 | 45 |
| 43 AC00170-2W | 62 | 24 | 91 | 23 | 252 | 56 | 29 | 11 | 325 | 82 | 152 | 39 |
| 44 CO00188-4W | 151 | 42 | 201 | 43 | 312 | 65 | 115 | 29 | 284 | 81 | 213 | 52 |
| 45 CO00197-3W | 35 | 12 | 182 | 40 | 235 | 52 | 103 | 32 | 265 | 59 | 164 | 39 |
| 46 CO00270-7W | 232 | 47 | 184 | 40 | 305 | 67 | 62 | 27 | 83 | 41 | 173 | 44 |
| Mean | 189 | 28 | 161 | 34 | 279 | 57 | 70 | 24 | 231 | 62 | 174 | 36 |

¹ 7-12 oz on Russets

² 8-12 oz on Russets

³ 4-10 oz

⁴ Fingerling - Data from Colorado and Texas are for tubers 4-6 inches in length

Table 10. Yield and Percent of U.S. No. 1's (4 - 6 oz.) for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | California | | | | Colorado | | Texas | | | | Mean | |
|---------------------------|------------------|----|------------------|----|------------------|----|-------|----|-------|---|-------|----|
| | KRN ¹ | | TUL ² | | SLV ³ | | SPR | | DAL | | Cwt/A | % |
| | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | | |
| Specialty Trial | | | | | | | | | | | | |
| 1 Yukon Gold | 161 | 28 | 67 | 16 | | | 95 | 29 | | | 108 | 24 |
| 2 ATC00293 -1W/Y | 233 | 30 | 99 | 17 | | | 85 | 26 | | | 139 | 24 |
| 3 ATTX98500-3PW/Y | 267 | 37 | 93 | 22 | | | 83 | 22 | | | 148 | 27 |
| 4 ATTX00289-6W/Y | 216 | 22 | 71 | 15 | | | 74 | 39 | | | 120 | 25 |
| 5 CO00379-2R/Y | 170 | 37 | 106 | 23 | | | 112 | 45 | | | 129 | 35 |
| 6 CO00405-1R ³ | 54 | 16 | 75 | 26 | 228 | 62 | 90 | 59 | | | 112 | 41 |
| 7 CO00412-5W/Y | 423 | 46 | 139 | 28 | | | 7 | 4 | | | 189 | 26 |
| 8 CO00415-1R ³ | 41 | 8 | 93 | 26 | 364 | 87 | 115 | 53 | | | 153 | 44 |
| 9 TX1673-1W/Y | 253 | 33 | 86 | 19 | | | 67 | 19 | | | 135 | 24 |
| 10 TXYG055 | | | 75 | 18 | | | 91 | 23 | | | 83 | 20 |
| 11 TXYG057 | | | 65 | 14 | | | 99 | 30 | | | 82 | 22 |
| 12 TXYG079 | | | 65 | 14 | | | 116 | 29 | | | 90 | 22 |
| 13 TXYG098 | | | 78 | 19 | | | 96 | 31 | | | 87 | 25 |
| 14 TXYG105 | | | 82 | 21 | | | 108 | 31 | | | 95 | 26 |
| 15 TXYG107 | | | 73 | 15 | | | 85 | 23 | | | 79 | 19 |
| Russet Trial | | | | | | | | | | | | |
| 16 Russet Norkotah | 214 | 42 | 169 | 46 | | | 36 | 18 | | | 140 | 35 |
| 17 AC99375-1RU | 318 | 41 | 206 | 35 | | | 61 | 31 | | | 195 | 36 |
| 18 AOTX96216-2RU | 137 | 17 | 41 | 9 | | | 58 | 23 | | | 78 | 16 |
| 19 AOTX96265-2RU | 269 | 43 | 118 | 23 | | | 27 | 13 | | | 138 | 26 |
| 20 AOTX98152-3RU | 390 | 42 | 209 | 36 | | | 58 | 18 | | | 219 | 32 |
| 21 ATX9202-3RU | 242 | 34 | 137 | 26 | | | 49 | 23 | | | 143 | 28 |
| 22 ATX97147-4RU | 206 | 36 | 130 | 24 | | | 51 | 27 | | | 129 | 29 |
| 23 ATX99013-1RU | | | 188 | 45 | | | 59 | 19 | | | 124 | 32 |
| 24 CO99053-3RU | 247 | 38 | 123 | 23 | | | 47 | 19 | | | 139 | 27 |
| 25 CO99053-4RU | 173 | 29 | 162 | 46 | | | 47 | 17 | | | 127 | 31 |
| 26 CO99100-1RU | 215 | 36 | 150 | 34 | | | 85 | 24 | | | 150 | 31 |

Table 10. continued

| Clone / Variety | California | | | | Colorado | | Texas | | | | Mean | |
|-----------------------|------------------|----|------------------|----|------------------|----|-------|----|-------|---|-------|----|
| | KRN ¹ | | TUL ² | | SLV ³ | | SPR | | DAL | | Cwt/A | % |
| | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | | |
| Red Trial | | | | | | | | | | | | |
| 27 Norland (Dark Red) | 166 | 34 | 61 | 11 | | | 86 | 23 | | | 104 | 23 |
| 28 Red LaSoda | 360 | 37 | 48 | 9 | | | 111 | 26 | | | 173 | 24 |
| 29 AOTX91861-4R | 318 | 42 | 104 | 18 | | | 152 | 39 | | | 191 | 33 |
| 30 AOTX93483-1R | 258 | 32 | 40 | 5 | | | 67 | 28 | | | 122 | 22 |
| 31 ATTX98453-6R | 303 | 54 | 35 | 7 | | | 70 | 20 | | | 136 | 27 |
| 32 BTX2332-1R | 307 | 35 | 42 | 8 | | | 143 | 33 | | | 164 | 25 |
| 33 CO00277-2R | 267 | 38 | 73 | 15 | | | 96 | 29 | | | 145 | 27 |
| 34 CO00291-5R | 162 | 39 | 106 | 27 | | | 129 | 46 | | | 132 | 37 |
| 35 COTX94216-1R | 231 | 37 | 112 | 26 | | | 106 | 36 | | | 149 | 33 |
| 36 COTX94218-1R | 270 | 44 | 84 | 21 | | | 87 | 35 | | | 147 | 33 |
| 37 NDTX4784-7R | 251 | 44 | 76 | 13 | | | 111 | 36 | | | 146 | 31 |
| 38 NDTX4828-2R | 196 | 39 | 103 | 23 | | | 83 | 31 | | | 127 | 31 |
| 39 NDTX5003-2R | 214 | 38 | 90 | 18 | | | 124 | 34 | | | 143 | 30 |
| 40 NDTX7590-3R | 164 | 30 | 59 | 13 | | | 86 | 27 | | | 103 | 23 |
| Chip Trial | | | | | | | | | | | | |
| 41 Atlantic | 311 | 40 | 115 | 24 | | | 108 | 40 | 18 | 4 | 138 | 27 |
| 42 Chipeta | 225 | 26 | 37 | 7 | | | 27 | 23 | 6 | 2 | 74 | 15 |
| 43 AC00170-2W | 111 | 44 | 126 | 32 | | | 94 | 35 | 31 | 8 | 90 | 30 |
| 44 CO00188-4W | 113 | 31 | 121 | 26 | | | 200 | 50 | 20 | 6 | 113 | 28 |
| 45 CO00197-3W | 103 | 36 | 109 | 24 | | | 67 | 21 | 16 | 4 | 74 | 21 |
| 46 CO00270-7W | 134 | 27 | 67 | 15 | | | 89 | 39 | 6 | 3 | 74 | 21 |
| Mean | 223 | 35 | 98 | 21 | 296 | 74 | 85 | 29 | 16 | 4 | 128 | 28 |

¹ 4-7 oz on Russets

² 4-8 oz on Russets

³ Fingerling - Data from Colorado and Texas are for tubers 2-4 inches in length

Table 11. Yield and Percent B (<4 oz.) Tubers for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | California | | | | Colorado | | Texas | | | | Mean | |
|---------------------------|------------|----|-------|----|----------|----|-------|----|-------|---|-------|----|
| | KRN | | TUL | | SLV | | SPR | | DAL | | Cwt/A | % |
| | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | | |
| Specialty Trial | | | | | | | | | | | | |
| 1 Yukon Gold | 76 | 13 | 42 | 10 | 38 | 8 | 76 | 23 | | | 58 | 14 |
| 2 ATC00293 -1W/Y | 101 | 13 | 50 | 8 | 75 | 12 | 152 | 46 | | | 94 | 20 |
| 3 ATTX98500-3PW/Y | 167 | 23 | 75 | 18 | 102 | 17 | 99 | 26 | | | 111 | 21 |
| 4 ATTX00289-6W/Y | 102 | 11 | 50 | 11 | 74 | 16 | 75 | 40 | | | 75 | 19 |
| 5 CO00379-2R/Y | 198 | 44 | 78 | 17 | 124 | 31 | 86 | 34 | | | 121 | 32 |
| 6 CO00405-1R ¹ | 259 | 77 | 170 | 59 | 27 | 7 | 39 | 26 | | | 124 | 42 |
| 7 CO00412-5W/Y | 266 | 29 | 122 | 24 | 112 | 19 | 119 | 75 | | | 155 | 37 |
| 8 CO00415-1R ¹ | 427 | 87 | 206 | 59 | 26 | 6 | 34 | 15 | | | 173 | 42 |
| 9 TX1673-1W/Y | 95 | 12 | 46 | 10 | | | 74 | 21 | | | 72 | 15 |
| 10 TXYG055 | | | 45 | 11 | 45 | 11 | 115 | 29 | | | 68 | 17 |
| 11 TXYG057 | | | 37 | 8 | 50 | 11 | 81 | 24 | | | 56 | 15 |
| 12 TXYG079 | | | 34 | 7 | 57 | 13 | 111 | 28 | | | 67 | 16 |
| 13 TXYG098 | | | 41 | 10 | 62 | 14 | 88 | 29 | | | 64 | 18 |
| 14 TXYG105 | | | 60 | 16 | 53 | 12 | 107 | 31 | | | 73 | 19 |
| 15 TXYG107 | | | 39 | 8 | 44 | 10 | 104 | 28 | | | 62 | 15 |
| Russet Trial | | | | | | | | | | | | |
| 16 Russet Norkotah | 106 | 21 | 79 | 21 | 57 | 11 | 37 | 19 | | | 70 | 18 |
| 17 AC99375-1RU | 116 | 15 | 51 | 9 | 118 | 22 | 90 | 46 | | | 94 | 23 |
| 18 AOTX96216-2RU | 27 | 3 | 10 | 2 | 18 | 4 | 28 | 11 | | | 21 | 5 |
| 19 AOTX96265-2RU | 104 | 17 | 25 | 5 | 37 | 7 | 16 | 8 | | | 46 | 9 |
| 20 AOTX98152-3RU | 176 | 19 | 70 | 12 | 179 | 38 | 27 | 8 | | | 113 | 19 |
| 21 ATX9202-3RU | 134 | 19 | 38 | 7 | 69 | 12 | 31 | 15 | | | 68 | 13 |
| 22 ATX97147-4RU | 182 | 32 | 31 | 6 | 82 | 15 | 34 | 18 | | | 82 | 18 |
| 23 ATX99013-1RU | | | 96 | 23 | 66 | 14 | 40 | 13 | | | 67 | 17 |
| 24 CO99053-3RU | 129 | 20 | 33 | 6 | 58 | 11 | 38 | 15 | | | 64 | 13 |
| 25 CO99053-4RU | 122 | 20 | 68 | 19 | 71 | 18 | 100 | 36 | | | 90 | 23 |
| 26 CO99100-1RU | 142 | 24 | 25 | 6 | 82 | 21 | 55 | 16 | | | 76 | 17 |

Table 11. continued

| Clone / Variety | California | | | | Colorado | | Texas | | | | Mean | |
|-----------------------|------------|----|-------|----|----------|----|-------|----|-------|----|-------|----|
| | KRN | | TUL | | SLV | | SPR | | DAL | | Mean | |
| | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % |
| Red Trial | | | | | | | | | | | | |
| 27 Norland (Dark Red) | 72 | 15 | 29 | 5 | 86 | 17 | 101 | 27 | | | 72 | 16 |
| 28 Red LaSoda | 109 | 11 | 28 | 5 | 128 | 19 | 93 | 22 | | | 90 | 15 |
| 29 AOTX91861-4R | 113 | 15 | 49 | 8 | 76 | 17 | 111 | 28 | | | 87 | 17 |
| 30 AOTX93483-1R | 89 | 11 | 25 | 3 | 74 | 11 | 34 | 14 | | | 55 | 10 |
| 31 AOTX98453-6R | 102 | 18 | 24 | 5 | 89 | 22 | 34 | 10 | | | 62 | 14 |
| 32 BTX2332-1R | 133 | 15 | 25 | 5 | 74 | 15 | 97 | 22 | | | 82 | 14 |
| 33 CO00277-2R | 153 | 22 | 54 | 11 | 127 | 30 | 156 | 47 | | | 123 | 28 |
| 34 CO00291-5R | 133 | 32 | 48 | 12 | 87 | 21 | 127 | 46 | | | 99 | 28 |
| 35 COTX94216-1R | 329 | 53 | 78 | 18 | 252 | 50 | 95 | 32 | | | 189 | 38 |
| 36 COTX94218-1R | 176 | 29 | 56 | 14 | 129 | 21 | 62 | 25 | | | 106 | 22 |
| 37 NDTX4784-7R | 129 | 23 | 45 | 8 | 72 | 14 | 51 | 16 | | | 74 | 15 |
| 38 NDTX4828-2R | 120 | 24 | 68 | 15 | 77 | 17 | 24 | 9 | | | 72 | 16 |
| 39 NDTX5003-2R | 216 | 39 | 39 | 8 | 141 | 35 | 87 | 24 | | | 121 | 26 |
| 40 NDTX7590-3R | 47 | 9 | 28 | 6 | 73 | 17 | 36 | 11 | | | 46 | 11 |
| Chip Trial | | | | | | | | | | | | |
| 41 Atlantic | 9 | 1 | 79 | 17 | 79 | 15 | 26 | 9 | 2 | 1 | 39 | 9 |
| 42 Chipeta | 51 | 6 | 18 | 3 | 97 | 16 | 28 | 24 | 0 | 0 | 39 | 10 |
| 43 AC00170-2W | 64 | 25 | 160 | 40 | 189 | 42 | 114 | 43 | 3 | 1 | 106 | 30 |
| 44 CO00188-4W | 45 | 12 | 90 | 19 | 133 | 27 | 79 | 20 | 11 | 3 | 72 | 16 |
| 45 CO00197-3W | 109 | 38 | 82 | 18 | 183 | 40 | 94 | 30 | 53 | 12 | 104 | 28 |
| 46 CO00270-7W | 30 | 6 | 33 | 7 | 75 | 16 | 63 | 28 | 1 | 1 | 40 | 12 |
| Mean | 132 | 23 | 58 | 13 | 88 | 18 | 73 | 25 | 12 | 3 | 84 | 19 |

¹Fingerling - Data from Colorado include tubers less than 2 inches in length and from Texas tubers 1-2 inches in length

Table 12. Yield and Percent Culls/No. 2s for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | California | | | | Colorado | | Texas | | | | Mean | |
|------------------------|------------|---|-------|----|----------|----|-------|----|-------|---|-------|----|
| | KRN | | TUL | | SLV | | SPR | | DAL | | Cwt/A | % |
| | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | | |
| Specialty Trial | | | | | | | | | | | | |
| 1 Yukon Gold | 10 | 2 | 11 | 3 | 8 | 2 | 46 | 14 | | | 19 | 5 |
| 2 ATC00293 -1W/Y | 11 | 1 | 38 | 6 | 29 | 5 | 16 | 5 | | | 23 | 4 |
| 3 ATTX98500-3PW/Y | 32 | 4 | 30 | 7 | 40 | 7 | 30 | 8 | | | 33 | 6 |
| 4 ATTX00289-6W/Y | 12 | 1 | 16 | 3 | 9 | 2 | 19 | 10 | | | 14 | 4 |
| 5 CO00379-2R/Y | 2 | 0 | 4 | 1 | 4 | 1 | 15 | 6 | | | 6 | 2 |
| 6 CO00405-1R | 10 | 3 | 16 | 6 | 8 | 2 | 1 | 0 | | | 9 | 3 |
| 7 CO00412-5W/Y | 8 | 1 | 6 | 1 | 20 | 3 | 33 | 21 | | | 17 | 7 |
| 8 CO00415-1R | 8 | 2 | 26 | 7 | 10 | 2 | 1 | 1 | | | 11 | 3 |
| 9 TX1673-1W/Y | 5 | 1 | 4 | 1 | | | 24 | 7 | | | 11 | 3 |
| 10 TXYG055 | | | 6 | 1 | 6 | 1 | 61 | 16 | | | 24 | 6 |
| 11 TXYG057 | | | 10 | 2 | 5 | 1 | 57 | 17 | | | 24 | 7 |
| 12 TXYG079 | | | 20 | 4 | 9 | 2 | 51 | 13 | | | 27 | 6 |
| 13 TXYG098 | | | 16 | 4 | 4 | 1 | 50 | 16 | | | 23 | 7 |
| 14 TXYG105 | | | 10 | 3 | 4 | 1 | 55 | 16 | | | 23 | 7 |
| 15 TXYG107 | | | 24 | 5 | 9 | 2 | 45 | 12 | | | 26 | 6 |
| Russet Trial | | | | | | | | | | | | |
| 16 Russet Norkotah | 5 | 1 | 6 | 2 | 5 | 1 | 55 | 28 | | | 18 | 8 |
| 17 AC99375-1RU | 12 | 1 | 19 | 3 | 3 | 1 | 20 | 10 | | | 13 | 4 |
| 18 AOTX96216-2RU | 27 | 3 | 47 | 11 | 111 | 23 | 16 | 6 | | | 51 | 11 |
| 19 AOTX96265-2RU | 12 | 2 | 25 | 5 | 7 | 1 | 4 | 2 | | | 12 | 3 |
| 20 AOTX98152-3RU | 7 | 1 | 19 | 3 | 1 | 0 | 64 | 20 | | | 23 | 6 |
| 21 ATX9202-3RU | 6 | 1 | 9 | 2 | 2 | 0 | 12 | 6 | | | 7 | 2 |
| 22 ATX97147-4RU | 21 | 4 | 54 | 10 | 21 | 4 | 33 | 17 | | | 32 | 9 |
| 23 ATX99013-1RU | | | 11 | 3 | 8 | 2 | 72 | 24 | | | 30 | 9 |
| 24 CO99053-3RU | 1 | 0 | 29 | 5 | 4 | 1 | 38 | 15 | | | 18 | 5 |
| 25 CO99053-4RU | 6 | 1 | 7 | 2 | 6 | 2 | 78 | 28 | | | 24 | 8 |
| 26 CO99100-1RU | 12 | 2 | 10 | 2 | 11 | 3 | 12 | 3 | | | 11 | 3 |

Table 12. continued

| Clone / Variety | California | | | | Colorado | | Texas | | | | Mean | |
|-----------------------|------------|---|-------|----|----------|---|-------|----|-------|---|-------|---|
| | KRN | | TUL | | SLV | | SPR | | DAL | | Mean | |
| | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % | Cwt/A | % |
| Red Trial | | | | | | | | | | | | |
| 27 Norland (Dark Red) | 14 | 3 | 6 | 1 | 8 | 2 | 42 | 11 | | | 17 | 4 |
| 28 Red LaSoda | 16 | 2 | 10 | 2 | 14 | 2 | 82 | 20 | | | 30 | 6 |
| 29 AOTX91861-4R | 2 | 0 | 9 | 2 | 5 | 1 | 2 | 0 | | | 4 | 1 |
| 30 AOTX93483-1R | 15 | 2 | 8 | 1 | 4 | 1 | 2 | 1 | | | 7 | 1 |
| 31 ATTX98453-6R | 9 | 2 | 12 | 2 | 1 | 0 | 1 | 0 | | | 6 | 1 |
| 32 BTX2332-1R | 6 | 1 | 5 | 1 | 7 | 1 | 2 | 0 | | | 5 | 1 |
| 33 CO00277-2R | 6 | 1 | 4 | 1 | 2 | 1 | 48 | 14 | | | 15 | 4 |
| 34 CO00291-5R | 6 | 2 | 2 | 1 | 2 | 1 | 1 | 0 | | | 3 | 1 |
| 35 COTX94216-1R | 7 | 1 | 10 | 2 | 6 | 1 | 0 | 0 | | | 6 | 1 |
| 36 COTX94218-1R | 33 | 5 | 3 | 1 | 25 | 4 | 8 | 3 | | | 17 | 3 |
| 37 NDTX4784-7R | 9 | 2 | 12 | 2 | 20 | 4 | 0 | 0 | | | 10 | 2 |
| 38 NDTX4828-2R | 14 | 3 | 19 | 4 | 11 | 2 | 4 | 1 | | | 12 | 3 |
| 39 NDTX5003-2R | 3 | 0 | 9 | 2 | 4 | 1 | 6 | 2 | | | 5 | 1 |
| 40 NDTX7590-3R | 45 | 8 | 96 | 21 | 34 | 8 | 0 | 0 | | | 44 | 9 |
| Chip Trial | | | | | | | | | | | | |
| 41 Atlantic | 14 | 2 | 20 | 4 | 10 | 2 | 7 | 3 | 0 | 0 | 10 | 2 |
| 42 Chipeta | 8 | 1 | 7 | 1 | 16 | 3 | 0 | 0 | 0 | 0 | 6 | 1 |
| 43 AC00170-2W | 16 | 6 | 8 | 2 | 0 | 0 | 11 | 4 | 0 | 0 | 7 | 3 |
| 44 CO00188-4W | 10 | 3 | 7 | 1 | 9 | 2 | 0 | 0 | 0 | 0 | 5 | 1 |
| 45 CO00197-3W | 9 | 3 | 14 | 3 | 3 | 1 | 16 | 5 | 0 | 0 | 8 | 2 |
| 46 CO00270-7W | 0 | 0 | 11 | 2 | 4 | 1 | 5 | 2 | 8 | 4 | 6 | 2 |
| Mean | 11 | 2 | 16 | 3 | 12 | 2 | 25 | 8 | 1 | 1 | 16 | 4 |

Table 13. Specific Gravity for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | California | Colorado | Texas | | Mean |
|------------------------|------------|----------|-------|-----|-------|
| | TUL | SLV | SPR | DAL | |
| Specialty Trial | | | | | |
| 1 Yukon Gold | 1.086 | 1.088 | 1.076 | | 1.083 |
| 2 ATC00293 -1W/Y | 1.079 | 1.084 | 1.062 | | 1.075 |
| 3 ATTX98500-3PW/Y | 1.077 | 1.085 | 1.067 | | 1.076 |
| 4 ATTX00289-6W/Y | 1.070 | 1.073 | 1.062 | | 1.068 |
| 5 CO00379-2R/Y | 1.069 | 1.072 | 1.062 | | 1.068 |
| 6 CO00405-1R | 1.084 | 1.079 | 1.072 | | 1.078 |
| 7 CO00412-5W/Y | 1.089 | 1.094 | 1.079 | | 1.087 |
| 8 CO00415-1R | 1.067 | 1.077 | 1.063 | | 1.069 |
| 9 TX1673-1W/Y | 1.082 | | 1.065 | | 1.074 |
| 10 TXYG055 | 1.088 | 1.085 | 1.068 | | 1.080 |
| 11 TXYG057 | 1.085 | 1.090 | 1.073 | | 1.083 |
| 12 TXYG079 | 1.087 | 1.089 | 1.076 | | 1.084 |
| 13 TXYG098 | 1.091 | 1.086 | 1.071 | | 1.083 |
| 14 TXYG105 | 1.085 | 1.090 | 1.077 | | 1.084 |
| 15 TXYG107 | 1.089 | 1.089 | 1.079 | | 1.086 |
| Russet Trial | | | | | |
| 16 Russet Norkotah | 1.075 | 1.079 | 1.054 | | 1.070 |
| 17 AC99375-1RU | 1.098 | 1.099 | 1.064 | | 1.087 |
| 18 AOTX96216-2RU | 1.076 | 1.086 | 1.062 | | 1.074 |
| 19 AOTX96265-2RU | 1.088 | 1.084 | 1.061 | | 1.078 |
| 20 AOTX98152-3RU | 1.090 | 1.088 | 1.059 | | 1.079 |
| 21 ATX9202-3RU | 1.082 | 1.092 | 1.059 | | 1.077 |
| 22 ATX97147-4RU | 1.073 | 1.079 | 1.063 | | 1.071 |
| 23 ATX99013-1RU | 1.080 | 1.084 | 1.061 | | 1.075 |
| 24 CO99053-3RU | 1.086 | 1.092 | 1.055 | | 1.078 |
| 25 CO99053-4RU | 1.088 | 1.087 | 1.057 | | 1.077 |
| 26 CO99100-1RU | 1.082 | 1.082 | 1.064 | | 1.076 |

Table 13. continued

| Clone / Variety | California | Colorado | Texas | | Mean |
|-----------------------|------------|----------|-------|-------|-------|
| | TUL | SLV | SPR | DAL | |
| Red Trial | | | | | |
| 27 Norland (Dark Red) | 1.069 | 1.071 | 1.064 | | 1.068 |
| 28 Red LaSoda | 1.076 | 1.079 | 1.058 | | 1.071 |
| 29 AOTX91861-4R | 1.072 | 1.074 | 1.057 | | 1.067 |
| 30 AOTX93483-1R | 1.069 | 1.077 | 1.060 | | 1.069 |
| 31 ATTX98453-6R | 1.070 | 1.071 | 1.070 | | 1.070 |
| 32 BTX2332-1R | 1.074 | 1.069 | 1.062 | | 1.069 |
| 33 CO00277-2R | 1.081 | 1.075 | 1.063 | | 1.073 |
| 34 CO00291-5R | 1.078 | 1.089 | 1.059 | | 1.075 |
| 35 COTX94216-1R | 1.075 | 1.082 | 1.069 | | 1.075 |
| 36 COTX94218-1R | 1.081 | 1.088 | 1.059 | | 1.076 |
| 37 NDTX4784-7R | 1.071 | 1.080 | 1.063 | | 1.071 |
| 38 NDTX4828-2R | 1.070 | 1.077 | 1.066 | | 1.071 |
| 39 NDTX5003-2R | 1.079 | 1.086 | 1.069 | | 1.078 |
| 40 NDTX7590-3R | 1.062 | 1.068 | 1.063 | | 1.064 |
| Chip Trial | | | | | |
| 41 Atlantic | 1.103 | 1.101 | 1.076 | 1.091 | 1.093 |
| 42 Chipeta | 1.090 | 1.104 | 1.050 | 1.076 | 1.080 |
| 43 AC00170-2W | 1.084 | 1.086 | 1.066 | 1.083 | 1.080 |
| 44 CO00188-4W | 1.090 | 1.093 | 1.069 | 1.079 | 1.083 |
| 45 CO00197-3W | 1.087 | 1.090 | 1.065 | 1.081 | 1.081 |
| 46 CO00270-7W | 1.083 | 1.091 | 1.041 | 1.066 | 1.070 |
| Mean | 1.081 | 1.084 | 1.064 | 1.079 | 1.076 |

Table 14. Average Tuber Weight (Size) and Shape for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | Weight (oz.) | | | Mean | Shape ¹ | | | | Mean |
|------------------------|--------------|-------|-----|------|--------------------|----------|-------|-----|------|
| | California | Texas | | | California | Colorado | Texas | | |
| | TUL | SPR | DAL | | TUL | SLV | SPR | DAL | |
| Specialty Trial | | | | | | | | | |
| 1 Yukon Gold | 7.4 | 6.2 | | 6.8 | 2.0 | 2.0 | 2.3 | | 2.1 |
| 2 ATC00293 -1W/Y | 7.1 | 4.0 | | 5.5 | 3.0 | 3.0 | 2.0 | | 2.7 |
| 3 ATTX98500-3PW/Y | 5.5 | 4.9 | | 5.2 | 2.0 | 4.0 | 2.4 | | 2.8 |
| 4 ATTX00289-6W/Y | 7.1 | 4.3 | | 5.7 | 3.0 | 2.0 | 3.0 | | 2.7 |
| 5 CO00379-2R/Y | 5.8 | 3.6 | | 4.7 | 3.0 | 3.0 | 4.0 | | 3.3 |
| 6 CO00405-1R | 3.0 | 2.0 | | 2.5 | 5.0 | 5.0 | 4.4 | | 4.8 |
| 7 CO00412-5W/Y | 5.1 | 1.8 | | 3.4 | 2.0 | 2.0 | 1.3 | | 1.8 |
| 8 CO00415-1R | 3.2 | 2.2 | | 2.7 | 5.0 | 5.0 | 4.5 | | 4.8 |
| 9 TX1673-1W/Y | 6.8 | 5.1 | | 6.0 | 2.0 | | 3.5 | | 2.8 |
| 10 TXYG055 | 6.9 | 4.7 | | 5.8 | 2.0 | 2.0 | 1.9 | | 2.0 |
| 11 TXYG057 | 7.4 | 4.7 | | 6.0 | 2.0 | 2.0 | 2.0 | | 2.0 |
| 12 TXYG079 | 7.8 | 4.8 | | 6.3 | 3.0 | 2.0 | 1.9 | | 2.3 |
| 13 TXYG098 | 7.0 | 4.4 | | 5.7 | 3.0 | 2.0 | 1.9 | | 2.3 |
| 14 TXYG105 | 6.1 | 4.1 | | 5.1 | 3.0 | 2.0 | 1.8 | | 2.3 |
| 15 TXYG107 | 7.6 | 4.6 | | 6.1 | 3.0 | 2.0 | 1.3 | | 2.1 |
| Russet Trial | | | | | | | | | |
| 16 Russet Norkotah | 5.4 | 4.7 | | 5.0 | 4.0 | 5.0 | 4.4 | | 4.5 |
| 17 AC99375-1RU | 7.5 | 3.4 | | 5.5 | 4.0 | 4.0 | 3.8 | | 3.9 |
| 18 AOTX96216-2RU | 12.9 | 6.7 | | 9.8 | 4.0 | 4.0 | 4.0 | | 4.0 |
| 19 AOTX96265-2RU | 8.9 | 7.4 | | 8.1 | 4.0 | 4.0 | 4.0 | | 4.0 |
| 20 AOTX98152-3RU | 6.7 | 7.2 | | 6.9 | 4.0 | 4.0 | 4.6 | | 4.2 |
| 21 ATX9202-3RU | 8.0 | 5.8 | | 6.9 | 4.0 | 4.0 | 4.0 | | 4.0 |
| 22 ATX97147-4RU | 8.9 | 5.5 | | 7.2 | 4.0 | 4.0 | 4.5 | | 4.2 |
| 23 ATX99013-1RU | 5.2 | 5.6 | | 5.4 | 5.0 | 4.0 | 4.6 | | 4.5 |
| 24 CO99053-3RU | 8.8 | 5.6 | | 7.2 | 4.0 | 4.0 | 4.2 | | 4.1 |
| 25 CO99053-4RU | 5.5 | 4.2 | | 4.8 | 5.0 | 4.0 | 4.0 | | 4.3 |
| 26 CO99100-1RU | 7.7 | 6.2 | | 6.9 | 4.0 | 4.0 | 3.9 | | 4.0 |

Table 14. continued

| Clone / Variety | Weight (oz.) | | | Mean | Shape ¹ | | | | Mean |
|-----------------------|--------------|-------|-----|------|--------------------|----------|-------|-----|------|
| | California | Texas | | | California | Colorado | Texas | | |
| | TUL | SPR | DAL | | TUL | SLV | SPR | DAL | |
| Red Trial | | | | | | | | | |
| 27 Norland (Dark Red) | 8.3 | 4.6 | | 6.5 | 1.0 | 2.0 | 2.8 | | 1.9 |
| 28 Red LaSoda | 9.2 | 5.2 | | 7.2 | 1.0 | 2.0 | 3.7 | | 2.2 |
| 29 AOTX91861-4R | 7.0 | 4.5 | | 5.7 | 1.0 | 1.0 | 1.6 | | 1.2 |
| 30 AOTX93483-1R | 13.5 | 6.0 | | 9.8 | 2.0 | 2.0 | 3.3 | | 2.4 |
| 31 ATTX98453-6R | 9.1 | 7.1 | | 8.1 | 1.0 | 1.0 | 2.5 | | 1.5 |
| 32 BTX2332-1R | 9.4 | 5.4 | | 7.4 | 1.0 | 1.0 | 3.0 | | 1.7 |
| 33 CO00277-2R | 7.0 | 3.2 | | 5.1 | 1.0 | 1.0 | 3.6 | | 1.9 |
| 34 CO00291-5R | 6.0 | 3.7 | | 4.9 | 1.0 | 1.0 | 1.6 | | 1.2 |
| 35 COTX94216-1R | 5.6 | 5.4 | | 5.5 | 1.0 | 1.0 | 2.5 | | 1.5 |
| 36 COTX94218-1R | 6.2 | 4.2 | | 5.2 | 1.0 | 1.0 | 1.6 | | 1.2 |
| 37 NDTX4784-7R | 7.4 | 5.0 | | 6.2 | 1.0 | 1.0 | 1.6 | | 1.2 |
| 38 NDTX4828-2R | 6.0 | 5.9 | | 5.9 | 1.0 | 1.0 | 3.0 | | 1.7 |
| 39 NDTX5003-2R | 7.1 | 4.5 | | 5.8 | 1.0 | 1.0 | 1.5 | | 1.2 |
| 40 NDTX7590-3R | 8.1 | 6.7 | | 7.4 | 2.0 | 3.0 | 3.5 | | 2.8 |
| Chip Trial | | | | | | | | | |
| 41 Atlantic | 5.6 | 4.4 | 6.1 | 5.4 | 1.0 | 2.0 | 1.2 | 1.0 | 1.3 |
| 42 Chipeta | 9.5 | 3.2 | 7.9 | 6.9 | 1.0 | 2.0 | 1.8 | 2.6 | 1.9 |
| 43 AC00170-2W | 3.9 | 2.1 | 4.0 | 3.3 | 1.0 | 1.0 | 1.0 | 3.4 | 1.6 |
| 44 CO00188-4W | 5.4 | 3.6 | 4.3 | 4.4 | 1.0 | 1.0 | 1.6 | 3.3 | 1.7 |
| 45 CO00197-3W | 5.6 | 2.7 | 5.9 | 4.7 | 2.0 | 2.0 | 3.0 | 1.6 | 2.2 |
| 46 CO00270-7W | 7.4 | 3.4 | 6.8 | 5.9 | 1.0 | 1.0 | 1.2 | 1.1 | 1.1 |
| Mean | 7.1 | 4.7 | 5.8 | 5.9 | 2.4 | 2.5 | 2.8 | 2.2 | 2.6 |

¹ 1= round, 5=long

Table 15. Eye Depth and Growth Cracks for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | Eye Depth ¹ | | | | Growth Cracks ² | | | |
|------------------------|------------------------|-------|-----|------|----------------------------|-------|-----|------|
| | California | Texas | | Mean | Colorado | Texas | | Mean |
| | TUL | SPR | DAL | | SLV | SPR | DAL | |
| Specialty Trial | | | | | | | | |
| 1 Yukon Gold | 3.0 | 4.5 | | 3.8 | 4.0 | 4.8 | | 4.4 |
| 2 ATC00293 -1W/Y | 4.0 | 4.5 | | 4.3 | 4.0 | 5.0 | | 4.5 |
| 3 ATTX98500-3PW/Y | 3.0 | 3.9 | | 3.4 | 5.0 | 5.0 | | 5.0 |
| 4 ATTX00289-6W/Y | 4.0 | 4.1 | | 4.0 | 4.0 | 5.0 | | 4.5 |
| 5 CO00379-2R/Y | 4.0 | 4.5 | | 4.3 | 5.0 | 5.0 | | 5.0 |
| 6 CO00405-1R | 4.0 | 4.3 | | 4.2 | 5.0 | 5.0 | | 5.0 |
| 7 CO00412-5W/Y | 4.0 | 4.0 | | 4.0 | 5.0 | 5.0 | | 5.0 |
| 8 CO00415-1R | 4.0 | 4.5 | | 4.3 | 5.0 | 5.0 | | 5.0 |
| 9 TX1673-1W/Y | 3.0 | 4.0 | | 3.5 | 4.0 | 5.0 | | 4.5 |
| 10 TXYG055 | 3.0 | 4.5 | | 3.8 | 5.0 | 5.0 | | 5.0 |
| 11 TXYG057 | 4.0 | 4.5 | | 4.3 | 5.0 | 4.8 | | 4.9 |
| 12 TXYG079 | 4.0 | 4.5 | | 4.3 | 5.0 | 5.0 | | 5.0 |
| 13 TXYG098 | 4.0 | 4.5 | | 4.3 | 5.0 | 5.0 | | 5.0 |
| 14 TXYG105 | 3.0 | 4.1 | | 3.6 | 5.0 | 5.0 | | 5.0 |
| 15 TXYG107 | 4.0 | 4.5 | | 4.3 | 4.0 | 5.0 | | 4.5 |
| Russet Trial | | | | | | | | |
| 16 Russet Norkotah | 3.0 | 4.0 | | 3.5 | 4.0 | 5.0 | | 4.5 |
| 17 AC99375-1RU | 3.0 | 4.0 | | 3.5 | 4.0 | 5.0 | | 4.5 |
| 18 AOTX96216-2RU | 4.0 | 4.1 | | 4.1 | 1.0 | 5.0 | | 3.0 |
| 19 AOTX96265-2RU | 3.0 | 3.9 | | 3.5 | 4.0 | 5.0 | | 4.5 |
| 20 AOTX98152-3RU | 3.0 | 4.5 | | 3.8 | 4.0 | 5.0 | | 4.5 |
| 21 ATX9202-3RU | 3.0 | 3.8 | | 3.4 | 4.0 | 5.0 | | 4.5 |
| 22 ATX97147-4RU | 4.0 | 4.3 | | 4.2 | 4.0 | 4.8 | | 4.4 |
| 23 ATX99013-1RU | 3.0 | 4.4 | | 3.7 | 4.0 | 5.0 | | 4.5 |
| 24 CO99053-3RU | 3.0 | 4.5 | | 3.8 | 4.0 | 5.0 | | 4.5 |
| 25 CO99053-4RU | 4.0 | 4.3 | | 4.1 | 4.0 | 5.0 | | 4.5 |
| 26 CO99100-1RU | 4.0 | 4.5 | | 4.3 | 4.0 | 5.0 | | 4.5 |

Table 15. Eye Depth and Growth Cracks for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | Eye Depth ¹ | | | | Growth Cracks ² | | | |
|-----------------------|------------------------|-------|-----|------|----------------------------|-------|-----|------|
| | California | Texas | | Mean | Colorado | Texas | | Mean |
| | TUL | SPR | DAL | | SLV | SPR | DAL | |
| Red Trial | | | | | | | | |
| 27 Norland (Dark Red) | 3.0 | 4.0 | | 3.5 | 4.0 | 4.3 | | 4.2 |
| 28 Red LaSoda | 2.0 | 2.0 | | 2.0 | 4.0 | 5.0 | | 4.5 |
| 29 AOTX91861-4R | 3.0 | 3.7 | | 3.3 | 4.0 | 5.0 | | 4.5 |
| 30 AOTX93483-1R | 3.0 | 4.1 | | 3.6 | 4.0 | 5.0 | | 4.5 |
| 31 ATTX98453-6R | 3.0 | 4.3 | | 3.6 | 5.0 | 5.0 | | 5.0 |
| 32 BTX2332-1R | 3.0 | 4.1 | | 3.6 | 4.0 | 5.0 | | 4.5 |
| 33 CO00277-2R | 3.0 | 4.3 | | 3.6 | 5.0 | 5.0 | | 5.0 |
| 34 CO00291-5R | 3.0 | 4.3 | | 3.6 | 4.0 | 5.0 | | 4.5 |
| 35 COTX94216-1R | 3.0 | 4.3 | | 3.6 | 5.0 | 5.0 | | 5.0 |
| 36 COTX94218-1R | 3.0 | 4.5 | | 3.8 | 3.0 | 5.0 | | 4.0 |
| 37 NDTX4784-7R | 3.0 | 4.1 | | 3.5 | 4.0 | 5.0 | | 4.5 |
| 38 NDTX4828-2R | 3.0 | 4.5 | | 3.7 | 4.0 | 5.0 | | 4.5 |
| 39 NDTX5003-2R | 2.0 | 4.0 | | 3.0 | 4.0 | 5.0 | | 4.5 |
| 40 NDTX7590-3R | 4.0 | 3.9 | | 4.0 | 2.0 | 4.8 | | 3.4 |
| Chip Trial | | | | | | | | |
| 41 Atlantic | 3.0 | 4.0 | 4.0 | 3.7 | 4.0 | 5.0 | 5.0 | 4.7 |
| 42 Chipeta | 3.0 | 4.2 | 4.0 | 3.7 | 4.0 | 5.0 | 5.0 | 4.7 |
| 43 AC00170-2W | 3.0 | 4.5 | 4.0 | 3.8 | 5.0 | 5.0 | 5.0 | 5.0 |
| 44 CO00188-4W | 4.0 | 4.5 | 4.0 | 4.2 | 4.0 | 5.0 | 5.0 | 4.7 |
| 45 CO00197-3W | 4.0 | 4.5 | 4.0 | 4.2 | 5.0 | 5.0 | 5.0 | 5.0 |
| 46 CO00270-7W | 3.0 | 4.5 | 4.0 | 3.8 | 5.0 | 5.0 | 4.5 | 4.8 |
| Mean | 3.3 | 4.2 | 4.0 | 3.8 | 4.2 | 5.0 | 4.9 | 4.6 |

¹1 = deep, 5 = shallow

²1 = many, 5 = none

Table 16. Percent Hollow Heart/Brown Center, Blackspot Bruising, and Fry Results for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | Hollow Heart/Brown Center (%) | | | | Mean | Bruising ¹ | Fry Data ² | | |
|------------------------|-------------------------------|----------|-------|-----|------|-----------------------|-----------------------|------------------|-----------------|
| | California | Colorado | Texas | | | Colorado | Colorado | | MS ⁵ |
| | TUL | SLV | SPR | DAL | | SLV | SLV ³ | SLV ⁴ | |
| Specialty Trial | | | | | | | | | |
| 1 Yukon Gold | 0 | 1 | 10 | | 4 | 2.9 | 3 | 3 | 1.0 |
| 2 ATC00293 -1W/Y | 20 | 4 | 3 | | 9 | 2.7 | 1 | 2 | 5.0 |
| 3 ATTX98500-3PW/Y | 0 | 0 | 40 | | 13 | 3.1 | 1 | 2 | 5.0 |
| 4 ATTX00289-6W/Y | 0 | 0 | 3 | | 1 | 4.0 | 2 | 4 | 1.0 |
| 5 CO00379-2R/Y | 0 | 0 | 0 | | 0 | 2.7 | 1 | 2 | 1.0 |
| 6 CO00405-1R | 0 | 0 | 0 | | 0 | 3.9 | 2 | 2 | 3.0 |
| 7 CO00412-5W/Y | 0 | 1 | 0 | | 0 | 2.0 | 2 | 2 | 3.0 |
| 8 CO00415-1R | 0 | 0 | 0 | | 0 | 3.8 | 2 | 3 | 2.0 |
| 9 TX1673-1W/Y | 10 | 0 | 0 | | 3 | | | | |
| 10 TXYG055 | 0 | 0 | 5 | | 2 | 2.6 | 1 | 3 | 1.0 |
| 11 TXYG057 | 0 | 0 | 28 | | 9 | 2.6 | 2 | 3 | 1.0 |
| 12 TXYG079 | 0 | 0 | 8 | | 3 | 2.6 | 2 | 3 | 1.0 |
| 13 TXYG098 | 10 | 0 | 18 | | 9 | 2.6 | 3 | 3 | 1.0 |
| 14 TXYG105 | 10 | 0 | 3 | | 4 | 2.0 | 3 | 3 | 1.0 |
| 15 TXYG107 | 0 | 0 | 15 | | 5 | 2.7 | 1 | 2 | 4.0 |
| Russet Trial | | | | | | | | | |
| 16 Russet Norkotah | 10 | 0 | 0 | | 3 | 4.5 | 2 | 2 | 4.0 |
| 17 AC99375-1RU | 0 | 0 | 0 | | 0 | 4.7 | 1 | 1 | 4.0 |
| 18 AOTX96216-2RU | 10 | 0 | 0 | | 3 | 3.9 | 2 | 2 | 1.0 |
| 19 AOTX96265-2RU | 10 | 0 | 3 | | 4 | 3.8 | 1 | 0 | 5.0 |
| 20 AOTX98152-3RU | 20 | 0 | 0 | | 7 | 4.1 | 2 | 2 | 1.0 |
| 21 ATX9202-3RU | 0 | 0 | 0 | | 0 | 3.6 | 1 | 1 | 5.0 |
| 22 ATX97147-4RU | 0 | 0 | 5 | | 2 | 4.4 | 2 | 4 | 1.0 |
| 23 ATX99013-1RU | 20 | 0 | 0 | | 7 | 4.3 | 3 | 3 | 1.0 |
| 24 CO99053-3RU | 10 | 0 | 0 | | 3 | 4.5 | 1 | 2 | 5.0 |
| 25 CO99053-4RU | 0 | 0 | 0 | | 0 | 4.4 | 1 | 2 | 2.0 |
| 26 CO99100-1RU | 30 | 0 | 0 | | 10 | 4.5 | 1 | 2 | 2.0 |

Table 16. continued

| Clone / Variety | Hollow Heart/Brown Center (%) | | | | Mean | Bruising ¹ | Fry Data ² | | |
|-----------------------|-------------------------------|----------|-------|-----|------|-----------------------|-----------------------|------------------|-----------------|
| | California | Colorado | Texas | | | Colorado | Colorado | | MS ⁵ |
| | TUL | SLV | SPR | DAL | | SLV | SLV ³ | SLV ⁴ | |
| Red Trial | | | | | | | | | |
| 27 Norland (Dark Red) | 0 | 0 | 0 | | 0 | 4.1 | 2 | 3 | 1.0 |
| 28 Red LaSoda | 0 | 11 | 0 | | 4 | 4.4 | 2 | 3 | 1.0 |
| 29 AOTX91861-4R | 0 | 0 | 0 | | 0 | 3.2 | 1 | 2 | 1.0 |
| 30 AOTX93483-1R | 0 | 1 | 3 | | 1 | 4.2 | 2 | 4 | 1.0 |
| 31 ATTX98453-6R | 0 | 0 | 0 | | 0 | 3.3 | 3 | 4 | 1.0 |
| 32 BTX2332-1R | 0 | 0 | 0 | | 0 | 3.1 | 2 | 3 | 1.0 |
| 33 CO00277-2R | 0 | 2 | 0 | | 1 | 4.4 | 3 | 4 | 1.0 |
| 34 CO00291-5R | 0 | 0 | 0 | | 0 | 2.2 | 2 | 3 | 1.0 |
| 35 COTX94216-1R | 0 | 0 | 0 | | 0 | 4.6 | 3 | 3 | 1.0 |
| 36 COTX94218-1R | 0 | 0 | 0 | | 0 | 3.3 | 1 | 3 | 1.0 |
| 37 NDTX4784-7R | 0 | 0 | 0 | | 0 | 3.5 | 2 | 3 | 1.0 |
| 38 NDTX4828-2R | 0 | 0 | 0 | | 0 | 4.4 | 3 | 4 | 1.0 |
| 39 NDTX5003-2R | 0 | 0 | 0 | | 0 | 4.3 | 3 | 3 | 1.0 |
| 40 NDTX7590-3R | 0 | 0 | 0 | | 0 | 4.0 | 3 | 3 | 1.0 |
| Chip Trial | | | | | | | | | |
| 41 Atlantic | 0 | 2 | 10 | 20 | 8 | 2.3 | | | 2.0 |
| 42 Chipeta | 0 | 1 | 0 | 5 | 1 | 2.8 | | | 5.0 |
| 43 AC00170-2W | 0 | 0 | 0 | 5 | 1 | 3.7 | | | 1.0 |
| 44 CO00188-4W | 0 | 0 | 3 | 8 | 3 | 2.6 | | | 4.0 |
| 45 CO00197-3W | 0 | 1 | 0 | 3 | 1 | 2.3 | | | 1.0 |
| 46 CO00270-7W | 0 | 0 | 0 | 25 | 6 | 2.9 | | | 5.0 |
| Mean | 3 | 1 | 3 | 11 | 3 | 3.5 | 1.9 | 2.6 | 2.1 |

¹ 1=severe, 5= none

² 0=light, 5= dark

³ at harvest

⁴ after 9 weeks at 45° F

⁵ 1-5=excellent

Table 17. Colorado and Texas Chipping Results for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | Chip Color ¹ | | | | | |
|-----------------|-------------------------|------------------|-----------------|------------------|--------------------|-----|
| | Colorado | | | | Texas ⁴ | |
| | 40 ² | R40 ² | 50 ³ | R50 ³ | SPR | DAL |
| Atlantic | 5.0 | 4.0 | 2.5 | 3.0 | 1+ | 1 |
| Chipeta | 5.0 | 4.5 | 2.0 | 2.0 | 2 | 2 |
| AC00170-2W | 5.0 | 3.0 | 1.5 | 1.5 | 1 | 1 |
| CO00188-4W | 4.0 | 2.0 | 2.0 | 1.0 | 1+ | 1 |
| CO00197-3W | 5.0 | 4.5 | 2.5 | 1.5 | 2 | 1+ |
| CO00270-7W | 3.5 | 1.5 | 1.0 | 1.5 | 2 | 1+ |

¹ 1=light, 5=dark

²40°F Storage protocol prior to frying

Initial storage temperature 55°F

Holding temperature 40°F

Weeks to holding temperature 5

Weeks at holding temperature 5

Reconditioning temp. (if applicable) 60°F

Number of weeks reconditioning 3

³50°F Storage protocol prior to frying

Initial storage temperature 55°F

Holding temperature 50°F

Weeks to holding temperature 5

Weeks at holding temperature 5

Reconditioning temp. (if applicable) 60°F

Number of weeks reconditioning 3

⁴ Chipped immediately following harvest

Table 18 Antioxidant Activity as Determined by the DPPH Assay¹ for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | | µg Trolox equivalents/gfw² |
|------------------------|-----------------|--|
| Specialty Trial | | |
| 1 | Yukon Gold | 198 |
| 2 | ATC00293 -1W/Y | 249 |
| 3 | ATTX98500-3PW/Y | 229 |
| 4 | ATTX00289-6W/Y | 537 |
| 5 | CO00379-2R/Y | 472 |
| 6 | CO00405-1R | 316 |
| 7 | CO00412-5W/Y | 215 |
| 8 | CO00415-1R | 333 |
| 9 | TX1673-1W/Y | 170 |
| 10 | TXYG055 | 173 |
| 11 | TXYG057 | 140 |
| 12 | TXYG079 | 156 |
| 13 | TXYG098 | 138 |
| 14 | TXYG105 | 246 |
| 15 | TXYG107 | 217 |
| Average | | 253 |
| LSD (.05) | | 58 |
| Russet Trial | | |
| 16 | Russet Norkotah | 368 |
| 17 | AC99375-1RU | 161 |
| 18 | AOTX96216-2RU | 294 |
| 19 | AOTX96265-2RU | 167 |
| 20 | AOTX98152-3RU | 196 |
| 21 | ATX9202-3RU | 200 |
| 22 | ATX97147-4RU | 193 |
| 23 | ATX99013-1RU | 241 |
| 24 | CO99053-3RU | 279 |
| 25 | CO99053-4RU | 259 |
| 26 | CO99100-1RU | 224 |
| Average | | 235 |
| LSD (.05) | | 78 |

Table 18 continued

| Clone / Variety | | $\mu\text{g Trolox equivalents/gfw}^2$ |
|-------------------|--------------------|--|
| Red Trial | | |
| 27 | Norland (Dark Red) | 160 |
| 28 | Red LaSoda | 323 |
| 29 | AOTX91861-4R | 311 |
| 30 | AOTX93483-1R | 176 |
| 31 | ATTX98453-6R | 187 |
| 32 | BTX2332-1R | 174 |
| 33 | CO00277-2R | 269 |
| 34 | CO00291-5R | 191 |
| 35 | COTX94216-1R | 271 |
| 36 | COTX94218-1R | 301 |
| 37 | NDTX4784-7R | 222 |
| 38 | NDTX4828-2R | 348 |
| 39 | NDTX5003-2R | 202 |
| 40 | NDTX7590-3R | 365 |
| Average | | 250 |
| LSD (.05) | | 55 |
| Chip Trial | | |
| 41 | Atlantic | 230 |
| 42 | Chipeta | 300 |
| 43 | AC00170-2W | 236 |
| 44 | CO00188-4W | 140 |
| 45 | CO00197-3W | 186 |
| 46 | CO00270-7W | 118 |
| Average | | 202 |
| LSD (.05) | | 68 |

¹The assay used at Texas A&M University was based on "Use of a Free Radical Method to Evaluate Antioxidant Activity" by Brand-Williams, et al. 1995, *Levensm. Wiss. Technol.* 28:25-30. Antioxidants soluble in methonal were extracted and allowed to react with the stable radical, 2,2,-Diphenyl-1-picrylhydrazyl (DPPH). This provided a rapid evaluation of the antioxidant properties of the potato extracts based on absorbance.

² $\mu\text{g Trolox equivalents/gfw}$ - Absorbance was converted to trolox equivalents based on a standard curve using the following equation: $y=844.6x + 21.7$

Table 19. Chip color rating, percentage good chips, chip defects, percentage Zebra Defect at grading, and percentage Zebra Defect after chipping of 46 entries in the Southwest Regional Chip Trial grown near Springlake and Dalhart, Texas-2008.

| Clone / Variety | Chip Color ¹ | | Percent Good Chips | | Chip Defects ² | | Percent Zebra Defect at Grading | | Percent Zebra Defect after Chipping | |
|------------------------|-------------------------|-----|--------------------|-----|-----------------------------|--------------------------------|---------------------------------|-----|-------------------------------------|-----|
| | SPR | DAL | SPR | DAL | SPR | DAL | SPR | DAL | SPR | DAL |
| Specialty Trial | | | | | | | | | | |
| 1 Yukon Gold | 3++ | | 28% | | 100%Dk | | 5% | | 3% | |
| 2 ATC00293 -1W/Y | 3++ | | 0% | | 100%Dk, 3%HH | | 3% | | 3% | |
| 3 ATTX98500-3PW/Y | 2 | 2+ | 0% | 33% | 35% Vas, 30%Bru | 67% Vas | 3% | 0% | 0% | 0% |
| 4 ATTX00289-6W/Y | 3++ | 2 | 0% | 68% | 100%Dk | 26% Vas, 5% BC | 0% | 3% | 0% | 0% |
| 5 CO00379-2R/Y | 2 | | 71% | | 3% Vas, 16%Bru, 5%Dk | | 0% | | 8% | |
| 6 CO00405-1R | 3 | | 0% | | 95% Vas, 8%Dk | | 0% | | 3% | |
| 7 CO00412-5W/Y | 3++ | | 0% | | 100%Dk | | 0% | | 0% | |
| 8 CO00415-1R | 3 | | 0% | | 91% Vas, 9%Bru | | 0% | | 0% | |
| 9 TX1673-1W/Y | 3++ | 1 | 0% | 64% | 100%Dk, 3%HH | 15% Vas, 21% BC | 5% | 0% | 11% | 0% |
| 10 TXYG055 | 3++ | | 0% | | 100%Dk | | 5% | | 7% | |
| 11 TXYG057 | 3++ | | 0% | | 100%Dk | | 5% | | 10% | |
| 12 TXYG079 | 3++ | | 0% | | 100%Dk | | 0% | | 0% | |
| 13 TXYG098 | 3++ | | 0% | | 100%Dk | | 0% | | 3% | |
| 14 TXYG105 | 3++ | | 0% | | 100%Dk | | 10% | | 5% | |
| 15 TXYG107 | 3++ | | 0% | | 100%Dk | | 0% | | 3% | |
| Russet Trial | | | | | | | | | | |
| 16 Russet Norkotah | 2 | 3+ | 13% | 40% | 62% Vas, 5%IBS | 53% Vas, 3% Bru, 3% Dk | 25% | 0% | 21% | 0% |
| 17 AC99375-1RU | 1+ | | 42% | | 21% Vas, 3%Dk | | 25% | | 34% | |
| 18 AOTX96216-2RU | 1+ | 3+ | 65% | 25% | 15%BC | 35% Vas, 5% Bru, 33% Dk, 3% BC | 5% | 0% | 20% | 0% |
| 19 AOTX96265-2RU | 1+ | 2+ | 21% | 21% | 54% Vas, 3%GH | 67% Vas, 12% Bru | 20% | 0% | 21% | 0% |
| 20 AOTX98152-3RU | 2 | 2 | 74% | 9% | 3%IBS, 8%Dk | 79% Vas, 3% HH, 6% Bru | 28% | 3% | 15% | 3% |
| 21 ATX9202-3RU | 1 | 1+ | 40% | 59% | 20% Vas | 26% Vas, 15% Bru | 18% | 0% | 40% | 0% |
| 22 ATX97147-4RU | 2 | 3 | 43% | 38% | 5% Vas, 40%BC, 13%Dk | 3% HH, 3% Bru, 33% Dk, 18% BC | 3% | 0% | 0% | 8% |
| 23 ATX99013-1RU | 1+ | | 23% | | 56% Vas | | 10% | | 21% | |
| 24 CO99053-3RU | 2 | | 50% | | 43% Vas | | 10% | | 7% | |
| 25 CO99053-4RU | 2 | | 10% | | 55% Vas, 5%IBS, 24%Dk, 2%TM | | 15% | | 0% | |
| 26 CO99100-1RU | 1 | | 68% | | 20% Vas, 3%TM | | 10% | | 10% | |

Table 19. continued

| Clone / Variety | Chip Color ¹ | | Percent Good Chips | | Chip Defects ² | | Percent Zebra Defect at Grading | | Percent Zebra Defect after Chipping | | |
|-----------------------|-------------------------|-----|--------------------|-----|-----------------------------------|----------------------------------|--|-----|-------------------------------------|-----|-----|
| | SPR | DAL | SPR | DAL | SPR | DAL | SPR | DAL | SPR | DAL | |
| Red Trial | | | | | | | | | | | |
| 27 Norland (Dark Red) | | 2+ | | 13% | | | 53% Vas | 13% | 0% | | 28% |
| 28 Red LaSoda | 2+ | 2 | 43% | 0% | | 13% Vas, 35% Bru | 38% Vas | 3% | 5% | 5% | 63% |
| 29 AOTX91861-4R | 3 | 3 | 29% | 18% | 24% Vas, 31% Bru, 14% Dk | | 26% Vas, 8% Bru, 3% Dk, 16% GH | 0% | 0% | 2% | 29% |
| 30 AOTX93483-1R | 3 | 2+ | 3% | 3% | | 48% Vas, 38% Dk | 26% Vas, 3% Bru, 23% Dk, 6% GH, 40% BC | 0% | 0% | 10% | 0% |
| 31 ATTX98453-6R | 3 | 1+ | 16% | 5% | | 66% Dk, 13% Fus | 13% Vas, 79% Dk | 3% | 0% | 11% | 0% |
| 32 BTX2332-1R | 1+ | 2+ | 45% | 26% | 30% Vas, 5% IBS, 15% Bru | | 52% Vas, 3% BC | 0% | 0% | 3% | 19% |
| 33 CO00277-2R | 2+ | | 24% | | | 70% Vas | | 8% | | 4% | |
| 34 CO00291-5R | 2 | | 0% | | | 61% Vas, 13% Bru, 21% Dk | | 0% | | 0% | |
| 35 COTX94216-1R | 2 | 1+ | 38% | 61% | 44% Vas, 15% IBS, 10% Bru, 13% Dk | | 17% Vas, 7% Bru, 15% Dk | 0% | 0% | 5% | 0% |
| 36 COTX94218-1R | 2 | 2 | 53% | 70% | | 21% Vas, 15% Bru, 15% Dk | 23% Vas, 8% Bru | 0% | 3% | 0% | 0% |
| 37 NDTX4784-7R | 4 | | 55% | | | 19% Vas, 5% IBS, 12% Bru, 2% Fus | | 0% | | 7% | |
| 38 NDTX4828-2R | 1 | 3 | 41% | 10% | 2% Vas, 36% IBS, 9% Bru, | | 8% Vas, 58% Dk, 25% BC | 3% | 0% | 11% | 0% |
| 39 NDTX5003-2R | 2 | 1+ | 43% | 45% | | 43% IBS | 13% Vas, 15% Bru, 3% IBS, 20% BC | 3% | 3% | 12% | 3% |
| 40 NDTX7590-3R | 2 | 3 | 28% | 0% | 50% Vas, 11% IBS | | 5% Vas, 95% BC | 3% | 0% | 22% | 0% |
| Chip Trial | | | | | | | | | | | |
| 41 Atlantic | 1+ | 1 | 39% | 62% | 19% Bru | | 34% Vas, 3% HH | 0% | 0% | 23% | 0% |
| 42 Chipeta | 2 | 2 | 11% | 23% | | 43% Vas | 70% Vas, 7% Dk | 33% | 0% | 39% | 0% |
| 43 AC00170-2W | 1 | 1 | 66% | 93% | 21% Vas, 7% Bru | | 2% HH, 2% BC | 0% | 0% | 10% | 2% |
| 44 CO00188-4W | 1+ | 1 | 76% | 97% | | 7% Bru | 3% Bru | 5% | 0% | 17% | 0% |
| 45 CO00197-3W | 2 | 1+ | 45% | 79% | 39% Vas, 6% IBS, 10% Bru | | 15% Vas, 3% HH, 3% Bru | 0% | 0% | 0% | 0% |
| 46 CO00270-7W | 2 | 1+ | 60% | 62% | 20% Vas, 7% Bru, 10% Dk | | 34% Vas | 0% | 0% | 4% | 3% |

One .05" slice per tuber, 10 tubers per rep, four reps, 365oF corn oil, 1 min 25 sec.

¹1=light, 3+=very dark

⁴Vas=vascular heat necrosis, Dk (dark)=high sugars, Bru= bruise, HH=hollow heart, IBS=internal brownspot, SE=sugar ends, TM= tuber moth, BC = brown center, Fus=fusarium, GH=greenheads

Table 20. Summary for Clones in the Southwestern Regional Trial, 2008

| Clone / Variety | Field Data | | | | Yield Qualities | | | | | Tuber Description | | | | |
|------------------------|------------|------------|-----------|-----------|-----------------|-------|--------------------|------|---------|-------------------|------------------|-------------|--------------|------------|
| | % Stand | Stems/Hill | Vine Size | Vine Mat. | Total Yield | % #1s | % >10 ¹ | % <4 | % Culls | Merit Score | Specific Gravity | Tuber Shape | Tuber Weight | Skin Color |
| Specialty Trial | | | | | | | | | | | | | | |
| 1 Yukon Gold | 95 | 2.0 | 3.2 | 2.3 | 453 | 82 | 27 | 14 | 5 | 3.4 | 1.083 | Oval | 6.2 | White |
| 2 ATC00293 -1W/Y | 96 | 2.6 | 4.2 | 3.7 | 578 | 76 | 18 | 20 | 4 | 3.3 | 1.075 | Oblong | 4.0 | White |
| 3 ATTX98500-3PW/Y | 88 | 2.1 | 3.9 | 3.2 | 530 | 73 | 14 | 21 | 6 | 3.9 | 1.076 | Oblong | 4.9 | P/W |
| 4 ATTX00289-6W/Y | 87 | 2.6 | 3.6 | 3.3 | 523 | 77 | 19 | 19 | 4 | 2.9 | 1.068 | Round | 4.3 | White |
| 5 CO00379-2R/Y | 97 | 3.1 | 2.9 | 2.5 | 390 | 66 | 8 | 32 | 2 | 2.4 | 1.068 | Oval | 3.6 | Red |
| 6 CO00405-1R | 100 | 3.6 | 3.0 | 2.8 | 286 | 61 | 1 | 42 | 3 | 3.0 | 1.078 | Long | 2.0 | Red |
| 7 CO00412-5W/Y | 98 | 3.9 | 3.9 | 3.6 | 538 | 56 | 8 | 37 | 7 | 2.0 | 1.087 | Oval | 1.8 | White |
| 8 CO00415-1R | 99 | 3.7 | 3.0 | 2.7 | 370 | 59 | 1 | 42 | 3 | 3.6 | 1.069 | Long | 2.2 | Red |
| 9 TX1673-1W/Y | 97 | 1.8 | 3.6 | 3.4 | 523 | 83 | 22 | 15 | 3 | 4.0 | 1.074 | Oval | 5.1 | White |
| 10 TXYG055 | 95 | 1.9 | 3.3 | 2.5 | 408 | 77 | 24 | 17 | 6 | 3.0 | 1.080 | Oval | 4.7 | White |
| 11 TXYG057 | 96 | 2.0 | 3.2 | 2.4 | 412 | 79 | 25 | 15 | 7 | 3.4 | 1.083 | Oval | 4.7 | White |
| 12 TXYG079 | 96 | 2.2 | 3.5 | 2.6 | 432 | 77 | 28 | 16 | 6 | 3.0 | 1.084 | Oval | 4.8 | White |
| 13 TXYG098 | 97 | 2.2 | 3.4 | 2.4 | 388 | 75 | 24 | 18 | 7 | 2.7 | 1.083 | Oval | 4.4 | White |
| 14 TXYG105 | 98 | 2.5 | 3.4 | 2.6 | 390 | 74 | 18 | 19 | 7 | 2.4 | 1.084 | Oval | 4.1 | White |
| 15 TXYG107 | 98 | 1.8 | 3.3 | 2.7 | 422 | 78 | 29 | 15 | 6 | 3.5 | 1.086 | Oval | 4.6 | White |
| Russet Trial | | | | | | | | | | | | | | |
| 16 Russet Norkotah | 99 | 2.7 | 3.9 | 2.8 | 398 | 74 | 16 | 18 | 8 | 3.3 | 1.070 | Long | 4.7 | Russet |
| 17 AC99375-1RU | 96 | 2.5 | 4.6 | 3.5 | 526 | 73 | 14 | 23 | 4 | 2.9 | 1.087 | Oblong | 3.4 | Russet |
| 18 AOTX96216-2RU | 98 | 2.0 | 4.4 | 3.3 | 498 | 82 | 45 | 5 | 11 | 2.5 | 1.074 | Long | 6.7 | Russet |
| 19 AOTX96265-2RU | 99 | 2.7 | 4.1 | 3.4 | 474 | 87 | 31 | 9 | 3 | 4.3 | 1.078 | Oblong | 7.4 | Russet |
| 20 AOTX98152-3RU | 99 | 3.4 | 3.4 | 2.6 | 575 | 73 | 18 | 19 | 6 | 2.1 | 1.079 | Oblong | 7.2 | Russet |
| 21 ATX9202-3RU | 100 | 1.8 | 4.5 | 3.5 | 504 | 84 | 25 | 13 | 2 | 3.4 | 1.077 | Long | 5.8 | Russet |
| 22 ATX97147-4RU | 98 | 2.4 | 4.4 | 3.7 | 461 | 74 | 19 | 18 | 9 | 3.4 | 1.071 | Long | 5.5 | Russet |
| 23 ATX99013-1RU | 100 | 2.5 | 3.8 | 3.0 | 401 | 74 | 21 | 17 | 9 | 2.9 | 1.075 | Oblong | 5.6 | Russet |
| 24 CO99053-3RU | 100 | 2.8 | 4.2 | 3.6 | 489 | 82 | 26 | 13 | 5 | 3.2 | 1.078 | Long | 5.6 | Russet |
| 25 CO99053-4RU | 99 | 3.0 | 3.5 | 2.8 | 406 | 68 | 11 | 23 | 8 | 1.6 | 1.077 | Oblong | 4.2 | Russet |
| 26 CO99100-1RU | 99 | 2.6 | 2.7 | 2.0 | 444 | 81 | 15 | 17 | 3 | 2.4 | 1.076 | Oblong | 6.2 | Russet |

Table 20. continued

| Clone / Variety | Field Data | | | | Yield Qualities | | | | | Tuber Description | | | | |
|-----------------------|------------|----------------|--------------|--------------|-----------------|----------|-----------------------|---------|------------|-------------------|---------------------|----------------|-----------------|---------------|
| | % Stand | Stems/ Hill | Vine Size | Vine Mat. | Total Yield | % #1s | % >10 ¹ | % <4 | % Culls | Merit Score | Specific Gravity | Tuber Shape | Tuber Weight | Skin Color |
| Red Trial | | | | | | | | | | | | | | |
| 27 Norland (Dark Red) | 100 | 3.3 | 3.1 | 2.3 | 473 | 80 | 19 | 16 | 4 | 2.8 | 1.068 | Oval | 4.6 | Red |
| 28 Red LaSoda | 100 | 2.7 | 3.8 | 3.2 | 649 | 79 | 26 | 15 | 6 | 2.0 | 1.071 | Oval | 5.2 | Red |
| 29 AOTX91861-4R | 100 | 3.2 | 3.3 | 2.5 | 543 | 82 | 15 | 17 | 1 | 2.0 | 1.067 | Oblong | 4.5 | Red |
| 30 AOTX93483-1R | 96 | 2.3 | 4.0 | 3.7 | 604 | 89 | 41 | 10 | 1 | 3.4 | 1.069 | Oblong | 6.0 | Red |
| 31 ATTX98453-6R | 95 | 2.0 | 3.2 | 2.8 | 452 | 85 | 29 | 14 | 1 | 2.5 | 1.070 | Oblong | 7.1 | Red |
| 32 BTX2332-1R | 98 | 2.9 | 3.4 | 2.8 | 590 | 85 | 27 | 14 | 1 | 2.9 | 1.069 | Round | 5.4 | Red |
| 33 CO00277-2R | 97 | 3.7 | 3.2 | 2.8 | 485 | 68 | 14 | 28 | 4 | 1.6 | 1.073 | Round | 3.2 | Red |
| 34 CO00291-5R | 97 | 2.8 | 4.3 | 4.1 | 375 | 72 | 5 | 28 | 1 | 2.1 | 1.075 | Round | 3.7 | Red |
| 35 COTX94216-1R | 94 | 3.2 | 3.5 | 2.6 | 463 | 61 | 9 | 38 | 1 | 3.0 | 1.075 | Round | 5.4 | Red |
| 36 COTX94218-1R | 97 | 3.4 | 4.3 | 4.1 | 469 | 74 | 12 | 22 | 3 | 3.6 | 1.076 | Round | 4.2 | Red |
| 37 NDTX4784-7R | 88 | 2.5 | 3.5 | 3.1 | 496 | 83 | 18 | 15 | 2 | 2.8 | 1.071 | Round | 5.0 | Red |
| 38 NDTX4828-2R | 94 | 2.2 | 3.5 | 3.3 | 418 | 81 | 18 | 16 | 3 | 2.1 | 1.071 | Oblong | 5.9 | Red |
| 39 NDTX5003-2R | 92 | 2.9 | 3.7 | 3.1 | 454 | 72 | 13 | 26 | 1 | 2.3 | 1.078 | Oblong | 4.5 | Red |
| 40 NDTX7590-3R | 86 | 1.9 | 2.6 | 2.9 | 440 | 80 | 21 | 11 | 9 | 2.3 | 1.064 | Ob-long | 6.7 | Red |
| Chip Trial | | | | | | | | | | | | | | |
| 41 Atlantic | 97 | 2.7 | 4.2 | 3.7 | 495 | 85 | 15 | 9 | 2 | 3.2 | 1.093 | Round | 4.4 | Buff |
| 42 Chipeta | 93 | 2.9 | 4.9 | 4.3 | 493 | 89 | 32 | 10 | 1 | 3.5 | 1.080 | Oval | 3.2 | White |
| 43 AC00170-2W | 92 | 3.3 | 3.7 | 3.1 | 352 | 66 | 3 | 30 | 3 | 2.1 | 1.080 | Round | 2.1 | White |
| 44 CO00188-4W | 100 | 3.5 | 4.0 | 3.5 | 413 | 82 | 8 | 16 | 1 | 3.1 | 1.083 | Round | 3.6 | White |
| 45 CO00197-3W | 80 | 3.0 | 4.0 | 3.8 | 392 | 68 | 12 | 28 | 2 | 2.1 | 1.081 | Oval | 2.7 | White |
| 46 CO00270-7W | 78 | 2.5 | 3.7 | 3.7 | 367 | 86 | 25 | 12 | 2 | 2.9 | 1.070 | Round | 3.4 | White |

¹ KRN > 12 oz for Russets

Status of Entries Following the Southwestern Regional Trial- 2008 Worksheet

| Clone / Variety | Entered by | Status | Years in Trial | Average Total Yield | | | Mean | % of check |
|------------------------|-----------------|----------|----------------|---------------------|------|------|------|------------|
| | | | | 2006 | 2007 | 2008 | | |
| Specialty Trial | | | | | | | | |
| 1 | Yukon Gold | | *** | | | 453 | 453 | |
| 2 | ATC00293 -1W/Y | Colorado | 1 | | | 578 | 578 | 128 |
| 3 | ATTX98500-3PW/Y | Texas | 1 | | | 530 | 530 | 117 |
| 4 | ATTX00289-6W/Y | Texas | 1 | | | 523 | 523 | 116 |
| 5 | CO00379-2R/Y | Colorado | 1 | | | 390 | 390 | 86 |
| 6 | CO00405-1R | Colorado | 1 | | | 286 | 286 | 63 |
| 7 | CO00412-5W/Y | Colorado | 1 | | | 538 | 538 | 119 |
| 8 | CO00415-1R | Colorado | 1 | | | 370 | 370 | 82 |
| 9 | TX1673-1W/Y | Texas | 1 | | | 523 | 523 | 116 |
| 10 | TXYG055 | Texas | 1 | | | 408 | 408 | 90 |
| 11 | TXYG057 | Texas | 1 | | | 412 | 412 | 91 |
| 12 | TXYG079 | Texas | 1 | | | 432 | 432 | 95 |
| 13 | TXYG098 | Texas | 1 | | | 388 | 388 | 86 |
| 14 | TXYG105 | Texas | 1 | | | 390 | 390 | 86 |
| 15 | TXYG107 | Texas | 1 | | | 422 | 422 | 93 |
| Russet Trial | | | | | | | | |
| 16 | Russet Norkotah | | Check | *** | 370 | 357 | 398 | 375 |
| 17 | AC99375-1RU | Colorado | 1 | | | 526 | 526 | 140 |
| 18 | AOTX96216-2RU | Texas | 1 | | | 498 | 498 | 133 |
| 19 | AOTX96265-2RU | Texas | 2 | | 401 | 474 | 437 | 117 |
| 20 | AOTX98152-3RU | Texas | 1 | | | 575 | 575 | 153 |
| 21 | ATX9202-3RU | Texas | 1 | | | 504 | 504 | 134 |
| 22 | ATX97147-4RU | Texas | Grad | 3 | 443 | 437 | 461 | 447 |
| 23 | ATX99013-1RU | Texas | 1 | | | 401 | 401 | 107 |
| 24 | CO99053-3RU | Colorado | 1 | | | 489 | 489 | 130 |
| 25 | CO99053-4RU | Colorado | 1 | | | 406 | 406 | 108 |
| 26 | CO99100-1RU | Colorado | 1 | | | 444 | 444 | 118 |

Status of Entries continued

| Clone / Variety | Entered by | Status | Years in Trial | Average Total Yield | | | Mean | % of check |
|-----------------------|------------|--------|----------------|---------------------|------|------|------|------------|
| | | | | 2006 | 2007 | 2008 | | |
| Red Trial | | | | | | | | |
| 27 Norland (Dark Red) | | Check | *** | 428 | 394 | 473 | 432 | |
| 28 Red LaSoda | | Check | *** | 569 | 457 | 649 | 559 | |
| 29 AOTX91861-4R | Texas | Grad | 3 | 295 | 332 | 543 | 390 | 79 |
| 30 AOTX93483-1R | Texas | | 1 | | | 604 | 604 | 122 |
| 31 ATTX98453-6R | Texas | | 1 | | | 452 | 452 | 91 |
| 32 BTX2332-1R | Texas | | 1 | | | 590 | 590 | 119 |
| 33 CO00277-2R | Colorado | | 1 | | | 485 | 485 | 98 |
| 34 CO00291-5R | Colorado | | 1 | | | 375 | 375 | 76 |
| 35 COTX94216-1R | Texas | | 1 | | | 463 | 463 | 94 |
| 36 COTX94218-1R | Texas | Grad | 3 | 470 | 350 | 469 | 429 | 87 |
| 37 NDTX4784-7R | Texas | Grad | 3 | 368 | 354 | 496 | 406 | 82 |
| 38 NDTX4828-2R | Texas | | | | | 418 | 418 | 84 |
| 39 NDTX5003-2R | Texas | | | | | 454 | 454 | 92 |
| 40 NDTX7590-3R | Texas | | | | | 440 | 440 | 89 |
| Chip Trial | | | | | | | | |
| 41 Atlantic | | Check | *** | 527 | 422 | 495 | 481 | |
| 42 Chipeta | | Check | *** | 573 | 434 | 493 | 500 | |
| 43 AC00170-2W | Colorado | | 1 | | | 352 | 352 | 72 |
| 44 CO00188-4W | Colorado | | 1 | | | 413 | 413 | 84 |
| 45 CO00197-3W | Colorado | | 1 | | | 392 | 392 | 80 |
| 46 CO00270-7W | Colorado | | 1 | | | 367 | 367 | 75 |

Description of Clones - 2009 Southwestern Regional Trial

| Entry # | Clone/Cultivar | Parents | | Flower Color | Vine Size | Maturity | Tuber Shape | Skin Type | Entered By | Use | Source | 2009 Status ¹ |
|------------------------|--------------------|------------|-----------------|--------------|-----------|-----------|--------------|-----------|------------|-------|--------|--------------------------|
| | | Female | Male | | | | | | | | | |
| Specialty Trial | | | | | | | | | | | | |
| 1 | Yukon Gold | Norgleam | W5279-3 | Pink | Medium | Early | Oval | White | Check | | | |
| 2 | TXYG055 | Norgleam | W5279-4 | Pink | Medium | Early | Oval | White | TX | Spec | CO | 2 |
| 3 | TXYG057 | Norgleam | W5279-4 | Pink | Medium | Early | Oval | White | TX | Spec | CO | 2 |
| 4 | TXYG079 | Norgleam | W5279-4 | Pink | Medium | Early | Oval | White | TX | Spec | CO | 2 |
| 5 | TXYG098 | Norgleam | W5279-4 | Pink | Medium | Early | Oval | White | TX | Spec | CO | 2 |
| 6 | TXYG105 | Norgleam | W5279-4 | Pink | Medium | Early | Oval | White | TX | Spec | CO | 2 |
| 7 | TXYG107 | Norgleam | W5279-4 | Pink | Medium | Early | Oval | White | TX | Spec | CO | 2 |
| 8 | ATTX98518-5PU/Y | Agria | A83350-9R | Lavender | Large | Late | Round | Purple | TX | Spec | CO | 1 |
| 9 | ATX9132-2Y | A8611-10 | A86102-6 | Purple | Large | Late | Round | Yellow | TX | Spec | CO | 1 |
| 10 | BTX2103-1R/Y | BO811-13 | ARS-W82-21285-1 | | Medium | Late | Round | White | TX | Spec | CO | 1 |
| 11 | PORTX03PG25-2R/R | PA97B35-1 | PA99P7-2 | | Medium | Late | Long | Red | TX | Spec | CO | 1 |
| 12 | Sierra Gold-2 | Krantz | Delta | Lavender | Medium | Early | Round-oblong | Russet | TX | Spec | Neb | 1 |
| 13 | Sierra Gold-3 | Krantz | Delta | Lavender | Medium | Early | Round-oblong | Russet | TX | Spec | Neb | 2 |
| 14 | Sierra Gold | Krantz | Delta | Lavender | Medium | Early | Round-oblong | Russet | TX | Spec | Neb | 3 |
| Russet Trial | | | | | | | | | | | | |
| 15 | Russet Norkotah | ND9687-5RU | ND9526-4RU | White | Small | Early | Long | Russet | Check | Fresh | CO | *** |
| 16 | ATX9332-12RU | A8850-1 | A88288-1 | White | Large | Late | Oblong | Russet | TX | Fresh | CO | 1 |
| 17 | ATX97232-1RU | A90609-6 | COO83008-1 | | Large | Late | Oblong | Russet | TX | Fresh | CO | 2 |
| 18 | AOTX95265-1RU | A89216-9 | A86102-6 | | medium | Early | Oblong | Russet | TX | Fresh | CO | 1 |
| 19 | AOTX96265-2RU | A90621-4 | A84180-8 | White | Large | Late | Oblong | Russet | TX | Fresh | CO | 3 |
| 20 | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | |
| Red Trial | | | | | | | | | | | | |
| 26 | Norland (Dark Red) | RedKote | ND626 | Red-Purple | Small | Early | Oval | Red | Check | Fresh | CO | *** |
| 27 | Red LaSoda | Triumph | Katahdin | Red-Purple | Medium | Medium | Oval | Red | Check | Fresh | CO | *** |
| 28 | ATTX01178-1R | ND5084-3R | Winema | | | | | | TX | Fresh | CO | |
| 29 | COTX00104-7R | ND3574-5R | CO86218-2 | Lavender | Medium | Medium | Oblong | Red | TX | Fresh | CO | 2 |
| 30 | NDTX5003-2R | ND3504-3R | ND2050-1R | Lavender | Small | V Early | Oblong | Red | TX | Fresh | CO | 2 |
| 31 | ATTX98453-11BR | A93490-1R | A91846-5R | Lavender | Small-Med | Early-Med | Oblong | Red | TX | Fresh | CO | 1 |
| 32 | ATTX98493-1AR | P94A2-3Y | BO811-13RY | | | | | | | | | |
| 33 | | | | | | | | | | | | |
| Chip Trial | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | |
| 36 | | | | | | | | | | | | |
| 37 | | | | | | | | | | | | |
| 38 | | | | | | | | | | | | |

Compiled by Jeff Koym*, Douglas Scheuring, and Creighton Miller
Cover by Sarah Turner
Edited by Jeannie Miller
Department of Horticultural Sciences
Texas A&M University
College Station and Lubbock*

California data provided by Joe Nunez, Jed DuBose, Harry Carlson and Don Kirby
Colorado data provided by David Holm and Fahrettin Goktepe