

2010 Freshpack Potato Variety Trial

Overall Averages - Seven Locations

Branch, Delta, Kalkaska, Monroe, Montcalm, Newaygo & Presque Isle

| NUMBER OF LOCATIONS | LINE | CWT/A | | PERCENT OF TOTAL ¹ | | | | SP GR | TUBER QUALITY ² | | | | TOTAL CUT | VINE VIGOR ³ | VINE MATURITY ⁴ | COMMENTS | 4-YR AVG | |
|---------------------|-------------------------|------------|------------|-------------------------------|-----------|-----------|-----------|----------|----------------------------|----------|----------|----------|-----------|-------------------------|----------------------------|------------|---|------------|
| | | US#1 | TOTAL | US#1 | Bs | As | OV | | PO | HH | VD | IBS | | | | | BC | US#1 |
| 1 | Classic Russet | 592 | 636 | 93 | 1 | 24 | 69 | 6 | 1.077 | 1 | 0 | 0 | 0 | 10 | 3.5 | 4.5 | large percent of oversize | 423 |
| 3 | W5767-1R | 453 | 498 | 91 | 6 | 77 | 14 | 3 | 1.071 | 0 | 5 | 0 | 0 | 30 | 4.5 | 2.2 | surface scab, sl netted skin, tr gc, misshapen pickouts | 435* * |
| 3 | Colorado Rose | 450 | 525 | 85 | 9 | 65 | 20 | 6 | 1.068 | 0 | 4 | 0 | 0 | 30 | 4.0 | 2.2 | misshapen pickouts, surface and pitted scab, oblong tuber type, tr soft rot | 450* |
| 4 | MSQ176-5 | 442 | 486 | 89 | 8 | 56 | 33 | 3 | 1.063 | 2 | 4 | 2 | 0 | 40 | 2.9 | 3.0 | surface and pitted scab, gc in pickouts, nice tuber type, sl netted skin, bright appearance | 435* * |
| 7 | Silverton Russet | 441 | 519 | 85 | 10 | 58 | 27 | 5 | 1.069 | 3 | 8 | 1 | 7 | 70 | 2.7 | 3.1 | misshapen pickouts, sl alligator hide | 397 |
| 4 | CO99265-2R | 440 | 505 | 87 | 11 | 82 | 5 | 2 | 1.073 | 1 | 9 | 0 | 0 | 40 | 3.3 | 3.2 | surface and pitted scab, oval to oblong tuber type, good red color | 443* * |
| 4 | Reba | 440 | 476 | 92 | 6 | 78 | 14 | 2 | 1.072 | 0 | 2 | 0 | 0 | 40 | 3.8 | 2.3 | tr surface and pitted scab, deep apical eye, gc in pickouts, oblong tuber type | 427 |
| 3 | Onaway | 417 | 487 | 78 | 17 | 61 | 17 | 5 | 1.066 | 0 | 8 | 0 | 0 | 30 | 4.7 | 1.5 | bright appearance, sl deep eye, gc and misshapen in pickouts, tr surface and pitted scab | 374 |
| 4 | MSL268-D | 393 | 465 | 84 | 10 | 77 | 7 | 6 | 1.080 | 3 | 13 | 0 | 0 | 40 | 3.8 | 3.1 | tr surface and pitted scab, knobs in pickouts, buff / netted appearance | 385 |
| 4 | MSL211-3 | 369 | 432 | 84 | 12 | 77 | 7 | 4 | 1.069 | 0 | 4 | 0 | 0 | 40 | 4.3 | 2.1 | smooth bright appearance, gc and misshapen tubers in pickouts, tr surface scab | 369* |
| 5 | CO99053-3RUS | 368 | 500 | 74 | 13 | 51 | 23 | 13 | 1.075 | 8 | 6 | 1 | 0 | 50 | 2.6 | 4.1 | not uniform type, alligator hide, large tuber size | 433* ** |
| 4 | MSM182-1 | 352 | 421 | 83 | 14 | 79 | 4 | 3 | 1.070 | 3 | 2 | 4 | 2 | 40 | 3.9 | 2.5 | tr pitted scab, netted skin, severe heat necrosis | 402* ** |
| 2 | A98134-2RUS | 350 | 543 | 66 | 26 | 61 | 5 | 8 | 1.075 | 0 | 5 | 1 | 0 | 20 | 3.0 | 2.3 | misshapen in pickouts, tr gc, alligator hide, type not uniform | 350* |
| 3 | CO00291-5R | 348 | 394 | 88 | 6 | 83 | 5 | 6 | 1.066 | 6 | 3 | 0 | 0 | 30 | 2.7 | 4.5 | surface and pitted scab, misshapen pickouts, sticky stolons | 348* |

| NUMBER OF LOCATIONS | LINE | CWT/A | | PERCENT OF TOTAL ¹ | | | | SP GR | TUBER QUALITY ² | | | | TOTAL CUT | VINE VIGOR ³ | VINE MATURITY ⁴ | COMMENTS | 4-YR AVG US#1 CWT/A | |
|---------------------|------------------------|------------|------------|-------------------------------|-----------|-----------|-----------|-----------|----------------------------|----------|-----------|----------|-----------|-------------------------|----------------------------|------------|--|----------------|
| | | US#1 | TOTAL | US#1 | Bs | As | OV | | PO | HH | VD | IBS | | | | | | BC |
| 3 | W2609-1R | 345 | 384 | 89 | 10 | 86 | 3 | 1 | 1.061 | 0 | 4 | 0 | 1 | 30 | 3.8 | 1.0 | surface and pitted scab, gc in pickouts, light red skin color | 345* |
| 1 | A98289-1RUS | 332 | 431 | 77 | 17 | 73 | 4 | 6 | 1.070 | 0 | 3 | 0 | 0 | 10 | 1.0 | 1.5 | gc and misshapen in pickouts, severe blackleg rot in plot | 393* * |
| 5 | W6234-4RUS | 323 | 447 | 70 | 23 | 54 | 16 | 7 | 1.078 | 2 | 8 | 0 | 0 | 50 | 3.1 | 2.1 | tr surface scab, light russetting, misshapen pickouts, heat sprouts, heat necrosis in two tubers | 323* |
| 2 | A01124-3RUS | 322 | 502 | 64 | 30 | 56 | 8 | 6 | 1.072 | 3 | 0 | 2 | 1 | 20 | 1.3 | 2.5 | misshapen pickouts, heavy russetting | 322* |
| 3 | MSR217-1R | 286 | 315 | 90 | 9 | 81 | 9 | 1 | 1.059 | 0 | 3 | 1 | 0 | 30 | 2.2 | 1.3 | surface and pitted scab, dark red skin color, uniform round type, tr gc in pickouts | 286* |
| 4 | MSQ440-2 | 279 | 333 | 82 | 17 | 76 | 6 | 1 | 1.058 | 0 | 20 | 1 | 0 | 40 | 3.0 | 2.4 | 1 glassy end, sl surface scab, some heat sprouts, bright appearance | 279* |
| 5 | W8946-1RUS | 276 | 496 | 56 | 28 | 54 | 2 | 16 | 1.087 | 2 | 4 | 6 | 0 | 50 | 3.1 | 3.6 | sl surface scab, severe heat sprouts in pickouts | 276* |
| 6 | Russet Norkotah | 266 | 396 | 65 | 27 | 54 | 11 | 8 | 1.066 | 0 | 13 | 1 | 0 | 60 | 2.8 | 1.6 | alligator hide, uniform type, misshapen and knobs in pickouts | 325 |
| 3 | GoldRush | 260 | 434 | 62 | 20 | 57 | 5 | 18 | 1.068 | 0 | 2 | 0 | 0 | 30 | 1.3 | 1.7 | misshapen pickouts, heavy russetting | 358* ** |
| 1 | MSS544-1R | 229 | 308 | 74 | 20 | 65 | 9 | 6 | 1.064 | 0 | 2 | 0 | 0 | 10 | 2.5 | 2.0 | tr surface scab, misshapen pickouts, one tuber with severe VD | 229* |
| 4 | W2683-2RUS | 217 | 386 | 54 | 26 | 45 | 9 | 20 | 1.073 | 3 | 4 | 4 | 0 | 40 | 2.4 | 3.1 | gc and misshapen tubers in pickouts | 328* * |
| 1 | A0008-1TE | 209 | 348 | 60 | 18 | 48 | 12 | 22 | 1.063 | 6 | 0 | 0 | 0 | 10 | 1.0 | 2.0 | many gc and misshapen in pickouts, alligator hide | 323* * |

MEAN

354

449

1.070

tr = trace, sl = slight, N/A = not applicable

SED = stem end defect, gc = growth crack

¹SIZE

Bs: < 1 7/8" or < 4 oz.

As: 1 7/8" - 3.25" or 4 - 10 oz.

OV: > 3.25" or > 10 oz.

PO: Pickouts

²TUBER QUALITY (number of tubers per total cut)

HH: Hollow Heart

VD: Vascular Discoloration

IBS: Internal Brown Spot

BC: Brown Center

³VINE VIGOR RATING

Date Taken: N/A

Ratings: 1 - 5

1: Slow Emergence

5: Early Emergence (vigorous vine, some flowering)

⁴MATURITY RATING

Date Taken: N/A

Ratings: 1 - 5

1: Early (vines completely dead)

5: Late (vigorous vine, some flowering)

*One-Year Average

**Two-Year Average

***Three-Year Average