North Dakota State University Processing Trial, Oakes – 2020

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Parentage** | |  |  |  |  |
| **Entry** | **Female** | **Male** | **Maturity** | **Yield Potential** | **Use** | **Comments** |
| **Processing Trial** |  |  |  |  |  |  |
| ND039194AB-1RussY | ND8216-6 | P2-3 | Medium-late | High | Dual-purpose |  |
| ND050032-4Russ | Dakota Russet | Russet Trailblazer | Medium | Medium to high | Dual-purpose |  |
| ND113100-1Russ | Russet Norkotah | M7 | Medium | Medium to high | Dual-purpose |  |
| ND12154AB-2Russ | ND028672-1Russ | ND039194AB-1Russ | Medium-late | Medium to high | Dual-purpose |  |
| ND13288-2Russ | ND081761b-9Russ | AND07358-1Y | Medium-late | Medium | Dual-purpose |  |
| ND1412Y-2Russ | 90245.1 | Dakota Russet | Medium | Medium to high | Dual-purpose | PVY resistance breeding |
| ND1413YB-1Russ | 90245.1 | Dakota Trailblazer | Medium | Medium to high | Processing | PVY & late blight resistance breeding |
| ND1415Y-1Russ | 90245.1 | Russet Norkotah | Medium | Medium to high | Processing | PVY resistance breeding |
| ND1415Y-5Russ | 90245.1 | Russet Norkotah | Medium-late | Medium to high | Dual-purpose | PVY resistance breeding |
| ND14130C-4Russ | Umatilla Russet | Q115-6 | Medium | Medium-high | Dual-purpose | CPB resistance breeding |
| ND14176-4Russ | M10 | ND049289B-2Russ | Medium-late | Medium | Dual-purpose |  |
| ND14248C-2 | ND028799C-3 | Q115-6 | Medium-late | Medium to high | Processing | CPB resistance breeding |
| ND14248C-5 | ND028799C-3 | Q115-6 | Medium-late | Medium to high | Processing | CPB resistance breeding |
| Alturas | A77182-1 | A75188-3 | Late | High | Processing | Verticillium wilt resistance, low input |
| Dakota Russet | Marcy | AH66-4 | Medium to late | Medium to high | Dual-purpose | Sugar end resistance |
| Ranger Russet | Butte | A6595-3 | Medium to late | Medium to high | Dual-purpose | Resistant to internal & external defects |
| Russet Burbank | Sport of Burbank | | Late | Medium to high | Dual-purpose | Industry standard (two seed sources) |
| Russet Norkotah | ND9526-4Russ | ND9787-5Russ | Early | High | Tablestock | Industry standard (fresh) |
| Shepody | Bake-King | F58050 | Medium | Medium to high | Processing | Industry standard |
| Umatilla Russet | Butte | A77268-4 | Late | High | Dual-purpose | Resistant to early dying, sugar ends |
|  |  |  |  |  |  |  |
| **Fresh Market** |  |  |  |  |  |  |
| ND1465-2R | Dakota Ruby | Norland | Medium-late | Medium to high | Tablestock |  |
| ND1467-1R | Dakota Ruby | ND113300C-3RSY | Medium | Medium to high | Tablestock |  |
| ND1469-2R | Dakota Ruby | RD142-2 | Medium | Medium to high | Tablestock |  |
| ND14113Y-3R | Romanze | Dakota Ruby | Medium | Medium to high | Tablestock |  |
| ND14113Y-10RY | Romanze | Dakota Ruby | Medium | High | Tablestock |  |
| ND14114YCB-1RY | Romanze | ND102735CB-1R | Medium | High | Tablestock |  |
| ND14151-1R | AND07135-2R | Dakota Ruby | Medium | Medium to high | Tablestock |  |
| ND14151-12R | AND07135-2R | Dakota Ruby | Medium | Medium to high | Tablestock |  |
| ND14151-16R | AND07135-2R | Dakota Ruby | Medium-late | Medium to high | Tablestock |  |
| Dakota Ruby | ND7188-4R | ND5256-7R | Medium | Medium | Tablestock |  |
| Red LaSoda | Sport of LaSoda |  | Medium to late | High | Tablestock | Industry standard, widely adapted |
| Red Norland | Sport of Norland |  | Early | Medium | Tablestock | Industry standard, widely adapted |
| Sangre | Viking | A6356-9 | Medium | Medium to high | Tablestock | Check, widely adapted |
| Yukon Gold | W5279-4 | Norgleam | Medium | Medium to high | Specialty | Industry standard, widely adapted |

Planting Date: May 12, 2020

Within-Row Spacing: 12 inches Row Spacing: 36 inches

Hills/Plot: 20 Seed Piece Treatment: NuBark MZ

Agronomic Practices: Preplant and in-season applications, hilling, and herbicide applied by OREC.

Thanks to: Northern Plains Potato Growers Association, MN Area II Potato Research & Promotion Council, Simplot, Cavendish Farms, RD Offutt Company, Forest River Colony, Dagen’s and Nilson’s for seed potatoes.