

Name and City	Acres	Cert #	Gen	% Leafroll	% Mosaic	% Admix	ELISA PVY%
A06021-1T							
ENANDER SEED FARM, GRENORA	0.20	P1806N433	N	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	10.60	P18062355	2	NOBS	NOBS	NOBS	0.00
AO06191-1							
ENANDER SEED FARM, GRENORA	0.10	P1861N434	N	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	0.50	P18611358	1	NOBS	NOBS	NOBS	0.00
ACTRICE							
ENANDER SEED FARM, GRENORA	0.10	P18ASN436	N	NOBS	NOBS	NOBS	
ADRIONDAK BLUE							
CARTER FARMS, FOREST RIVER	0.03	P18AK1530	1	NOBS	NOBS	NOBS	
ADRIONDAK RED							
CARTER FARMS, FOREST RIVER	0.03	P18AW1531	1	NOBS	NOBS	NOBS	
ALEGRIA +							
ENANDER SEED FARM, GRENORA	0.10	P18AIN435	N	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	1.20	P18AI1361	1	NOBS	NOBS	NOBS	0.00
ALPINE RUSSET +							
ENANDER SEED FARM, GRENORA	1.40	P18ARN437	N	NOBS	0.5	NOBS	0.51
ENANDER SEED FARM, GRENORA	0.70	P18ARN438	N	NOBS	NOBS	NOBS	0.00
ALL BLUE							
CARTER FARMS, FOREST RIVER	0.03	P18AB1528	1	NOBS	NOBS	NOBS	
ATLANTIC							
BLACK GOLD FARMS, FOREST RIVER	32.20	P18AT2121	2	NOBS	NOBS	NOBS	
BLACK GOLD FARMS, FOREST RIVER	10.60	P18AT3122	3	NOBS	0.17	NOBS	
BLACK GOLD FARMS, FOREST RIVER	10.70	P18AT3123	3	NOBS	0.33	NOBS	
BLACK GOLD FARMS, FOREST RIVER	20.70	P18AT3124	3	NOBS	0.33	NOBS	
ENANDER SEED FARM, GRENORA	0.90	P18ATN439	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.15	P18ATN440	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.30	P18ATN441	N	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	6.70	P18AT1240	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	9.60	P18AT1241	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	2.10	P18AT1242	1	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	6.40	P18AT2362	2	NOBS	NOBS	NOBS	
ALTURAS +							
ENANDER SEED FARM, GRENORA	2.00	P18AUN442	N	NOBS	NOBS	NOBS	0.00
AUSTRIAN CRESCENT							
CARTER FARMS, FOREST RIVER	0.03	P18AC1529	1	NOBS	NOBS	NOBS	

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BANNOCK RUSSET +							
BJORNSTAD FARMS, WALHALLA	30.00	P18BK2135	2	NOBS	NOBS	NOBS	
BJORNSTAD FARMS, WALHALLA	25.00	P18BK2136	2	NOBS	NOBS	NOBS	
BJORNSTAD FARMS, WALHALLA	107.00	P18BK3138	3	NOBS	NOBS	NOBS	
BJORNSTAD FARMS, WALHALLA	53.00	P18BK3139	3	NOBS	NOBS	NOBS	
BJORNSTAD FARMS, WALHALLA	65.00	P18BK4140	4	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.60	P18BKN595	N	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	2.70	P18BK1245	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	24.20	P18BK3246	3	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	21.00	P18BK3247	3	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	1.30	P18BKN248	N	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	8.50	P18BK2363	2	NOBS	NOBS	NOBS	0.00
VCULEK FARM, BRIAN, CRETE	7.00	P18BK1195	1	NOBS	NOBS	NOBS	
VCULEK FARM, BRIAN, CRETE	35.00	P18BK2196	2	NOBS	NOBS	NOBS	
VCULEK FARM, BRIAN, CRETE	0.40	P18BKN199	N	NOBS	NOBS	NOBS	
BINTJE							
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	6.40	P18BJ1243	1	NOBS	NOBS	NOBS	0.00
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	0.95	P18BJN244	N	NOBS	NOBS	NOBS	
CAROLA							
CARTER FARMS, FOREST RIVER	0.03	P18CE1532	1	NOBS	NOBS	NOBS	
CALWHITE							
ENANDER SEED FARM, GRENORA	0.20	P18CWN450	N	NOBS	NOBS	NOBS	0.00
CASCADE							
ENANDER SEED FARM, GRENORA	2.80	P18CS1444	1	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.20	P18CSN443	N	NOBS	NOBS	NOBS	
CHIEFTAIN							
ENANDER SEED FARM, GRENORA	1.00	P18CN1446	1	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.30	P18CNN445	N	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	9.50	P18CN2364	2	NOBS	NOBS	NOBS	
CLEARWATER RUSSET +							
ENANDER SEED FARM, GRENORA	1.20	P18CUN447	N	NOBS	NOBS	NOBS	0.00
ENANDER SEED FARM, GRENORA	0.60	P18CUN448	N	NOBS	NOBS	NOBS	0.00
ENANDER SEED FARM, GRENORA	0.60	P18CUN449	N	NOBS	NOBS	NOBS	
CORSICA +							
ENANDER SEED FARM, GRENORA	0.40	P18CXN451	N	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	1.20	P18CX1249	1	NOBS	NOBS	NOBS	
DAKOTA RUBY +							
ENANDER SEED FARM, GRENORA	0.20	P18DKN596	N	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	1.60	P18DK1365	1	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	9.00	P18DK2366	2	NOBS	NOBS	NOBS	0.00

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DAKOTA PEARL +							
BJORNSTAD FARMS, WALHALLA	65.00	P18DP2142	2	NOBS	0.33	NOBS	
ENANDER SEED FARM, GRENORA	0.38	P18DPN457	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.10	P18DPN458	N	NOBS	NOBS	NOBS	
FEDJE, DAVID, HOOPLE	35.00	P18DP3344	3	NOBS	0.17	0.16	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	5.50	P18DP1253	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	5.90	P18DP1254	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	1.70	P18DP1255	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	0.85	P18DPN256	N	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	0.70	P18DPN257	N	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	2.30	P18DP1372	1	NOBS	NOBS	0.16	0.00
JORDE CERTIFIED SEED LLC, CANDO	12.80	P18DP2373	2	NOBS	NOBS	NOBS	
NILSON FARMS INC, HOOPLE	27.00	P18DP2297	2	NOBS	0.33	NOBS	
NILSON FARMS INC, HOOPLE	43.00	P18DP3295	3	NOBS	NOBS	NOBS	
RUTHERFORD FARMS, RICHARD, GRAFTON	48.00	P18DP2173	2	NOBS	0.33	NOBS	
RUTHERFORD FARMS, RICHARD, GRAFTON	57.00	P18DP3174	3	NOBS	0.17	NOBS	
SHEPHARD, CAMBURN, CRYSTAL	20.80	P18DP2559	2	NOBS	0.33	NOBS	
TOEWS FARM LLP, LARRY, PARK RIVER	65.70	P18DP3191	3	NOBS	NOBS	NOBS	
TOEWS FARM LLP, LARRY, PARK RIVER	54.90	P18DP3192	3	0.17	0.33	NOBS	
DAKOTA ROSE +							
ENANDER SEED FARM, GRENORA	0.10	P18DRN459	N	NOBS	NOBS	NOBS	
DAKOTA RUSSET +							
ENANDER SEED FARM, GRENORA	0.70	P18DSN460	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	1.90	P18DSN461	N	NOBS	NOBS	NOBS	0.00
DARK RED CHIEFTAIN +							
ENANDER SEED FARM, GRENORA	0.10	P18RCN490	N	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	1.20	P18RC1395	1	NOBS	NOBS	NOBS	0.00
ELECTRA +							
ENANDER SEED FARM, GRENORA	0.10	P18EAN462	N	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	1.20	P18EA1375	1	NOBS	NOBS	NOBS	0.00
FRENCH FINGERLING							
CARTER FARMS, FOREST RIVER	0.03	P18F11537	1	NOBS	NOBS	NOBS	
FRITO LAY VARIETES +							
ENANDER SEED FARM, GRENORA	14.00	P18FA1464	1	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	3.50	P18FAN463	N	NOBS	NOBS	NOBS	0.00
ENANDER SEED FARM, GRENORA	7.50	P18FKN465	N	NOBS	NOBS	NOBS	0.00
ENANDER SEED FARM, GRENORA	1.10	P18FVN466	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	4.50	P18FYN467	N	NOBS	NOBS	NOBS	
ENGELMANN FARMS, HOOPLE	65.00	P18FK2150	2	NOBS	NOBS	NOBS	
ENGELMANN FARMS, HOOPLE	67.00	P18FK2151	2	NOBS	0.17	NOBS	
JOHNSON FARMS, WALHALLA	80.00	P18FA3318	3	NOBS	NOBS	NOBS	0.00

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FRITO LAY VARIETES + (cont)							
JOHNSON FARMS, WALHALLA	138.00	P18FK2319	2	NOBS	0.33	NOBS	1.00
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	20.90	P18FA1258	1	NOBS	NOBS	NOBS	0.00
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	21.00	P18FA2259	2	NOBS	NOBS	NOBS	0.00
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	49.00	P18FK1260	1	NOBS	NOBS	NOBS	0.00
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	7.50	P18FK1261	1	NOBS	NOBS	NOBS	0.00
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	26.30	P18FY1262	1	NOBS	NOBS	NOBS	0.00
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	17.50	P18FY1263	1	NOBS	NOBS	NOBS	0.00
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	29.50	P18FY2264	2	NOBS	NOBS	NOBS	0.00
GERMAN BUTTERBALL							
CARTER FARMS, FOREST RIVER	0.03	P18GB1535	1	NOBS	NOBS	NOBS	
GOLDRUSH							
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	8.75	P18GR1265	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	1.30	P18GRN266	N	NOBS	NOBS	NOBS	
MILLER FARMS INC, JOHN, MINTO	80.00	P18GR2579	2	NOBS	NOBS	NOBS	
HUCKLEBERRY GOLD +							
CARTER FARMS, FOREST RIVER	0.01	P18HGN539	N	NOBS	NOBS	NOBS	
LACHIPPER							
ENANDER SEED FARM, GRENORA	0.10	P18LCN468	N	NOBS	NOBS	NOBS	
ENGELMANN FARMS, HOOPLE	20.00	P18LC3152	3	NOBS	0.17	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	1.40	P18LC2377	2	NOBS	NOBS	NOBS	
LAMOKA +							
ENANDER SEED FARM, GRENORA	0.80	P18LMN470	N	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	5.50	P18LM1267	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	4.50	P18LM1268	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	34.00	P18LM2269	2	NOBS	NOBS	NOBS	0.00
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	0.30	P18LMN270	N	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	3.00	P18LM1378	1	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	8.30	P18LM3380	3	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	31.00	P18LM3379	3	NOBS	NOBS	NOBS	0.00
LELAH +							
ENANDER SEED FARM, GRENORA	0.10	P18LHN469	N	NOBS	NOBS	NOBS	
MADISON +							
BLACK GOLD FARMS, FOREST RIVER	1.00	P18MD3132	3	NOBS	NOBS	NOBS	
MAGIC MOLLY							
CARTER FARMS, FOREST RIVER	0.03	P18MM1542	1	NOBS	NOBS	NOBS	
MANISTEE +							
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	5.00	P18M91271	1	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	5.90	P18M91383	1	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	7.90	P18M92384	2	NOBS	NOBS	NOBS	

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MILVA +							
RUTHERFORD FARMS, RICHARD, GRAFTON	46.00	P18ML3176	3	NOBS	0.33	NOBS	
RUTHERFORD FARMS, RICHARD, GRAFTON	22.00	P18ML3177	3	NOBS	NOBS	NOBS	
MODOC +							
ENANDER SEED FARM, GRENORA	0.70	P18MON475	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.40	P18MON476	N	NOBS	NOBS	NOBS	
FEDJE, DAVID, HOOPLE	18.00	P18MO3348	3	NOBS	0.17	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	5.00	P18MO1385	1	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	33.00	P18MO3387	3	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	12.00	P18MO3388	3	NOBS	NOBS	NOBS	0.00
MONDAK GOLD+							
ENANDER SEED FARM, GRENORA	1.00	P18MG1474	1	NOBS	NOBS	NOBS	
MOUNTAIN GEM RUSSET +							
* JORDE CERTIFIED SEED LLC, CANDO	4.10	P18M41381	1	NOBS	NOBS	NOBS	0.00
* JORDE CERTIFIED SEED LLC, CANDO	26.30	P18M43382	3	NOBS	NOBS	NOBS	
MSW075-2							
ENANDER SEED FARM, GRENORA	0.30	P18M7N473	N	NOBS	NOBS	NOBS	
MSW 485-2 +							
ENANDER SEED FARM, GRENORA	1.00	P18MWN477	N	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	5.00	P18MW2389	2	NOBS	NOBS	NOBS	
MSZ21-14							
ENANDER SEED FARM, GRENORA	0.30	P1819N471	N	NOBS	NOBS	NOBS	
MUSICA							
FEDJE, DAVID, HOOPLE	40.00	P18MU3350	3	NOBS	NOBS	NOBS	
ND050032-4RUSS							
ENANDER SEED FARM, GRENORA	0.20	P18X3N518	N	NOBS	NOBS	NOBS	
ND6002-1R							
ENANDER SEED FARM, GRENORA	0.10	P18Z6N519	N	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	1.60	P18Z61431	1	NOBS	0.33	NOBS	0.35
JORDE CERTIFIED SEED LLC, CANDO	26.00	P18Z63432	3	NOBS	NOBS	NOBS	
ND7519-1							
JORDE CERTIFIED SEED LLC, CANDO	14.20	P18753359	3	NOBS	NOBS	NOBS	
ND7799C-1							
JORDE CERTIFIED SEED LLC, CANDO	1.80	P18771360	1	NOBS	NOBS	NOBS	0.00

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NORLAND STRAINS DOCUMENTED AS:							
DARK RED NORLAND							
CRYSTAL SEED POTATO INC, CRYSTAL	33.00	P18DN3564	3	NOBS	0.33	NOBS	
ENANDER SEED FARM, GRENORA	0.60	P18DBN452	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	1.80	P18DN1454	1	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	5.00	P18DN1456	1	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.20	P18DNN453	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.30	P18DNN455	N	NOBS	NOBS	NOBS	
HURTT SEED FARM, HOOPLE	70.00	P18DN3167	3	NOBS	0.50	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	6.00	P18DB1250	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	9.70	P18DB1251	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	1.10	P18DBN252	N	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	2.00	P18DN1367	1	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	7.90	P18DN2368	2	NOBS	0.17	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	3.90	P18DN2371	2	NOBS	0.17	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	8.30	P18DN3369	3	NOBS	0.33	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	22.80	P18DN3370	3	NOBS	0.17	NOBS	
MILLER FARMS INC, JOHN, MINTO	82.00	P18DB2569	2	NOBS	0.33	NOBS	
NILSON FARMS INC, HOOPLE	57.00	P18DN2294	2	NOBS	0.33	NOBS	
RUTHERFORD FARMS, RICHARD, GRAFTON	110.00	P18DN4171	4	NOBS	0.42	NOBS	
SPOKELY FARMS, NIELSVILLE	63.00	P18DN2235	2	NOBS	0.17	NOBS	
SPOKELY FARMS, NIELSVILLE	81.00	P18DN3234	3	NOBS	0.50	NOBS	
THOMPSON & SONS INC., T. F., GRAFTON	35.00	P18DN3111	3	NOBS	0.50	NOBS	
RED NORLAND							
CLEMENSON-SOBOLIK FARM, HOOPLE	17.80	P18RN2103	2	NOBS	0.33	NOBS	
ENANDER SEED FARM, GRENORA	3.00	P18RN1496	1	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.50	P18RNN494	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.40	P18RNN495	N	NOBS	NOBS	NOBS	
HURTT SEED FARM, HOOPLE	45.00	P18RN3168	3	NOBS	0.17	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	5.75	P18RN1273	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	8.50	P18RN1274	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	0.80	P18RNN275	N	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	1.70	P18RN1399	1	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	11.00	P18RN2401	2	NOBS	0.17	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	35.00	P18RN3400	3	NOBS	0.17	NOBS	
MILLER FARMS INC, JOHN, MINTO	14.00	P18RN2586	2	NOBS	NOBS	NOBS	
MILLER FARMS INC, JOHN, MINTO	16.00	P18RN2588	2	NOBS	0.17	NOBS	
MILLER FARMS INC, JOHN, MINTO	82.00	P18RN2587	2	NOBS	0.17	NOBS	
RUTHERFORD FARMS, RICHARD, GRAFTON	31.00	P18RN2178	2	NOBS	0.50	NOBS	
RUTHERFORD FARMS, RICHARD, GRAFTON	56.00	P18RN3179	3	NOBS	0.33	NOBS	
THOMPSON & SONS INC., T. F., GRAFTON	26.00	P18RN2115	2	NOBS	NOBS	NOBS	
NY140							
JORDE CERTIFIED SEED LLC, CANDO	37.70	P18143356	3	NOBS	NOBS	NOBS	0.00

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NY152							
ENANDER SEED FARM, GRENORA	1.00	P1852N478	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.15	P1852N479	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.13	P1852N480	N	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	2.60	P18521357	1	NOBS	NOBS	NOBS	0.00
PACIFIC RUSSET							
ENANDER SEED FARM, GRENORA	0.10	P18PCN481	N	NOBS	NOBS	NOBS	
PAROLI +							
ENANDER SEED FARM, GRENORA	0.01	P18PZN599	N	NOBS	NOBS	NOBS	0.00
PAYETTE RUSSET +							
* JORDE CERTIFIED SEED LLC, CANDO	4.40	P18PY2391	2	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	29.00	P18PY3392	3	NOBS	NOBS	NOBS	0.00
POMERELLE RUSSET +							
JORDE CERTIFIED SEED LLC, CANDO	1.50	P18PL2390	2	NOBS	NOBS	NOBS	0.00
PROSPECT +							
THOMPSON SEED POTATOES OF ND, ALLIANCE	78.68	P18PO3522	3	NOBS	NOBS	NOBS	0.00
THOMPSON SEED POTATOES OF ND, ALLIANCE	8.13	P18PO3523	3	NOBS	NOBS	0.5	0.00
THOMPSON SEED POTATOES OF ND, ALLIANCE	43.61	P18PO4521	4	NOBS	0.33	0.16	0.78
RANGER RUSSET							
ENANDER SEED FARM, GRENORA	2.00	P18RRN497	N	NOBS	NOBS	NOBS	0.00
ENANDER SEED FARM, GRENORA	0.70	P18RRN498	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.20	P18RRN499	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.40	P18RRN597	N	NOBS	NOBS	NOBS	
JOHNSON FARMS, WALHALLA	82.00	P18RR2323	2	NOBS	0.50	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	11.00	P18RR1276	1	NOBS	NOBS	NOBS	
STREMICK, MICHAEL, WALHALLA	17.00	P18RR2334	2	NOBS	0.33	NOBS	
VCULEK FARM, BRIAN, CRETE	2.30	P18RR1206	1	NOBS	NOBS	NOBS	
VCULEK FARM, BRIAN, CRETE	28.00	P18RR2207	2	NOBS	NOBS	NOBS	
VCULEK FARM, BRIAN, CRETE	28.00	P18RR2207	2	NOBS	NOBS	NOBS	
RED ENDEAVOR +							
CARTER FARMS, FOREST RIVER	0.03	P18RV2551	2	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.20	P18RVN500	N	NOBS	NOBS	NOBS	
RED LASODA STRAINS DOCUMENTED AS: RED LASODA-NEW YORK							
CRYSTAL SEED POTATO INC, CRYSTAL	45.00	P18RY3567	3	NOBS	0.50	NOBS	
ENANDER SEED FARM, GRENORA	0.50	P18RYN501	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.40	P18RYN502	N	NOBS	NOBS	NOBS	
ENGELMANN FARMS, HOOPLE	65.00	P18RY3154	3	NOBS	0.50	NOBS	
ENGELMANN FARMS, HOOPLE	74.00	P18RY3156	3	NOBS	0.50	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	3.00	P18RY1402	1	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	4.70	P18RY2404	2	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	14.60	P18RY2403	2	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	30.00	P18RY3405	3	NOBS	NOBS	NOBS	

Name and City	Acres	Cert #	Gen	% Leafroll	% Mosaic	% Admix	ELISA PVY%
RUNESTONE GOLD							
ENANDER SEED FARM, GRENORA	0.25	P18RGN491	N	NOBS	NOBS	NOBS	
RUSSET BURBANK							
BJORNSTAD FARMS, WALHALLA	60.00	P18RB2145	2	NOBS	0.33	NOBS	
ENANDER SEED FARM, GRENORA	10.00	P18RB1485	1	NOBS	NOBS	NOBS	0.00
ENANDER SEED FARM, GRENORA	15.00	P18RB1486	1	NOBS	NOBS	NOBS	0.00
ENANDER SEED FARM, GRENORA	4.20	P18RB1488	1	NOBS	NOBS	NOBS	0.00
ENANDER SEED FARM, GRENORA	0.70	P18RBN482	N	NOBS	NOBS	NOBS	0.00
ENANDER SEED FARM, GRENORA	1.70	P18RBN483	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	5.60	P18RBN484	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	1.80	P18RBN487	N	NOBS	NOBS	NOBS	0.00
ENANDER SEED FARM, GRENORA	2.50	P18RBN489	N	NOBS	NOBS	NOBS	
JOHNSON FARMS, WALHALLA	131.00	P18RB2321	2	NOBS	0.17	NOBS	0.00
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	33.50	P18RB1272	1	NOBS	0.17	NOBS	0.27
JORDE CERTIFIED SEED LLC, CANDO	4.40	P18RB1393	1	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	13.80	P18RB2394	2	NOBS	NOBS	NOBS	
THOMPSON SEED POTATOES OF ND, ALLIANCE	13.91	P18RB2524	2	NOBS	0.17	NOBS	0.28
THOMPSON SEED POTATOES OF ND, ALLIANCE	42.04	P18RB2525	2	NOBS	NOBS	NOBS	0.00
THOMPSON SEED POTATOES OF ND, ALLIANCE	70.22	P18RB2526	2	NOBS	NOBS	NOBS	0.00
THOMPSON SEED POTATOES OF ND, ALLIANCE	62.58	P18RB3527	3	NOBS	NOBS	NOBS	0.00
RUSSET NORKOTAH							
ENANDER SEED FARM, GRENORA	0.40	P18RJN492	N	NOBS	NOBS	NOBS	0.00
ENANDER SEED FARM, GRENORA	0.80	P18RKN493	N	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	3.90	P18RJ1396	1	NOBS	0.17	NOBS	0.25
JORDE CERTIFIED SEED LLC, CANDO	23.00	P18RJ2397	2	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	113.90	P18RJ3398	3	NOBS	0.08	NOBS	0.00
RUSSET NORKOTAH STRAINS DOCUMENTED AS:							
RUSSET NORKOTAH 8 +							
JORDE CERTIFIED SEED LLC, CANDO	6.00	P18K82376	2	NOBS	0.17	NOBS	0.25
RUSSET NORKOTAH TX112 +							
JORDE CERTIFIED SEED LLC, CANDO	14.80	P18T32424	2	NOBS	0.17	NOBS	0.25
RUSSET NORKOTAH TX278 +							
BJORNSTAD FARMS, WALHALLA	34.00	P18T12148	2	NOBS	0.50	NOBS	1.00
ENANDER SEED FARM, GRENORA	0.40	P18T1N510	N	NOBS	NOBS	NOBS	0.00
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	5.90	P18T11282	1	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	4.70	P18T11415	1	NOBS	0.17	NOBS	0.26
JORDE CERTIFIED SEED LLC, CANDO	13.40	P18T12416	2	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	15.00	P18T12418	2	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	5.60	P18T12417	2	NOBS	0.18	NOBS	0.51
THOMPSON & SONS INC., T. F., GRAFTON	27.00	P18T12120	2	NOBS	0.33	NOBS	0.51
RUSSET NORKOTAH TX296 +							
ENANDER SEED FARM, GRENORA	0.50	P18T2N511	N	NOBS	NOBS	NOBS	0.00
JOHNSON FARMS, WALHALLA	87.00	P18T22328	2	NOBS	0.17	NOBS	0.25
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	11.00	P18T21283	1	NOBS	NOBS	NOBS	0.00

Name and City	Acres	Cert #	Gen	% Leafroll	% Mosaic	% Admix	ELISA PVY%
RUSSET NORKOTAH TX296 + (cont)							
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	25.70	P18T22284	2	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	4.80	P18T21419	1	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	19.00	P18T22421	2	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	27.00	P18T22420	2	NOBS	0.17	NOBS	0.27
JORDE CERTIFIED SEED LLC, CANDO	45.80	P18T23422	3	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	45.00	P18T24423	4	NOBS	0.17	NOBS	0.25
SANGRE							
ENANDER SEED FARM, GRENORA	0.40	P18SGN503	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.50	P18SGN504	N	NOBS	NOBS	NOBS	
FEDJE, DAVID, HOOPLE	32.00	P18SG3352	3	NOBS	0.50	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	2.50	P18SG1277	1	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	2.10	P18SG1406	1	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	7.60	P18SG2407	2	NOBS	NOBS	NOBS	
RUTHERFORD FARMS, RICHARD, GRAFTON	15.00	P18SG2181	2	NOBS	NOBS	NOBS	
SATINA +							
GUNDERSON, CHAD, CLIMAX	59.00	P18SA3238	3	NOBS	0.50	NOBS	
SHEPODY							
BJORNSTAD FARMS, WALHALLA	60.00	P18SH2147	2	NOBS	NOBS	0.16	0.00
ENANDER SEED FARM, GRENORA	0.30	P18SHN505	N	NOBS	NOBS	NOBS	0.00
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	4.75	P18SH1279	1	NOBS	NOBS	0.16	0.00
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	2.10	P18SH1278	1	NOBS	NOBS	NOBS	0.00
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	5.30	P18SH1280	1	NOBS	NOBS	NOBS	0.00
SILVERTON RUSSET +							
ENANDER SEED FARM, GRENORA	0.20	P18SLN506	N	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	1.90	P18SLN281	N	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	2.10	P18SL1408	1	NOBS	0.17	NOBS	0.51
MILLER FARMS INC, JOHN, MINTO	33.00	P18SL2589	2	NOBS	0.33	NOBS	0.00
SNOWDEN							
ENANDER SEED FARM, GRENORA	1.50	P18SN1507	1	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	4.00	P18SN1508	1	NOBS	NOBS	NOBS	
SORAYA +							
ENANDER SEED FARM, GRENORA	0.10	P18SQN509	N	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	0.30	P18SQ1412	1	NOBS	NOBS	NOBS	0.00
JORDE CERTIFIED SEED LLC, CANDO	89.00	P18SQ4413	4	NOBS	NOBS	NOBS	
SYLVANA +							
JORDE CERTIFIED SEED LLC, CANDO	5.40	P18SY3414	3	NOBS	NOBS	NOBS	
TETON RUSSET +							
CARTER FARMS, FOREST RIVER	0.09	P18TR2553	2	NOBS	NOBS	NOBS	

Name and City	Acres	Cert #	Gen	% Leafroll	% Mosaic	% Admix	ELISA PVY%
UMATILLA RUSSET +							
ENANDER SEED FARM, GRENORA	1.10	P18UMN512	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.60	P18UMN513	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	3.00	P18UMN514	N	NOBS	NOBS	NOBS	0.00
JOHNSON FARMS, WALHALLA	86.00	P18UM2330	2	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	7.80	P18UM1285	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	4.50	P18UM1286	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	0.65	P18UMN287	N	NOBS	NOBS	NOBS	
* JORDE CERTIFIED SEED LLC, CANDO	4.20	P18UM1425	1	NOBS	NOBS	NOBS	
* JORDE CERTIFIED SEED LLC, CANDO	18.90	P18UM2426	2	NOBS	NOBS	NOBS	
* JORDE CERTIFIED SEED LLC, CANDO	9.80	P18UM2427	2	NOBS	NOBS	NOBS	
* JORDE CERTIFIED SEED LLC, CANDO	71.40	P18UM3428	3	NOBS	NOBS	NOBS	
VCULEK FARM, BRIAN, CRETE	10.00	P18UM1211	1	NOBS	NOBS	0.36	
VCULEK FARM, BRIAN, CRETE	38.00	P18UM2212	2	NOBS	NOBS	NOBS	
VCULEK FARM, BRIAN, CRETE	98.00	P18UM2213	2	NOBS	NOBS	0.31	
VIKING							
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	4.80	P18V11288	1	NOBS	0.17	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	0.55	P18VIN289	N	NOBS	NOBS	NOBS	
MILLER FARMS INC, JOHN, MINTO	67.00	P18VI2592	2	NOBS	NOBS	NOBS	
W9576-11Y							
CARTER FARMS, FOREST RIVER	0.03	P18W92555	2	NOBS	NOBS	NOBS	
WANETA +							
ENANDER SEED FARM, GRENORA	0.40	P18WAN515	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.30	P18WAN516	N	NOBS	NOBS	NOBS	
ENANDER SEED FARM, GRENORA	0.70	P18WAN517	N	NOBS	NOBS	NOBS	
FEDJE, DAVID, HOOPLE	38.00	P18WA3354	3	NOBS	0.17	0.17	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	2.40	P18WA1290	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	1.25	P18WA1291	1	NOBS	NOBS	NOBS	
JOHNSONS FOUNDATION SEED FARM LLP, CANDO	0.60	P18WAN292	N	NOBS	NOBS	NOBS	
MILLER FARMS INC, JOHN, MINTO	65.00	P18WA4594	4	NOBS	0.50	NOBS	
NILSON FARMS INC, HOOPLE	4.00	P18WA2312	2	NOBS	0.17	NOBS	
NILSON FARMS INC, HOOPLE	25.00	P18WA3309	3	NOBS	0.50	NOBS	
YUKON GOLD							
CARTER FARMS, FOREST RIVER	0.03	P18YG1556	1	NOBS	NOBS	NOBS	
JORDE CERTIFIED SEED LLC, CANDO	17.00	P18YG2430	2	NOBS	NOBS	NOBS	0.00

* Insufficient Count