

58th ANNUAL WA COMMERCIAL SEED LOT TRIAL

June 2021

Cooperators:

WASHINGTON STATE UNIVERSITY

www.potatoes.wsu.edu

Departments of Horticulture, Plant Pathology & Cooperative Extension

WASHINGTON STATE POTATO COMMISSION

www.potatoes.com

WASHINGTON STATE POTATO FOUNDATION

WASHINGTON STATE DEPARTMENT OF AGRICULTURE

KEY TO FLAGS

MOSAIC: Yellow Flag (see description below in comment section)
BLACKLEG: Red Flag
LEAFROLL: Orange Flag

WHITE FLAGS (code to abbreviations)
Cal: Calico
Chem/Herb: Seed-borne herbicide carryover/chemical damage
PLO: Phytoplasma such as Witches broom, Haywire, Purple Top, BLTVA
VM, OT, OV: Variety Mix, Off-Type, Off-Type Variety

Comments:

Variety, seed grower, and source (state) is provided solely by the seed receiver. We transfer that information to this book and save the original tags. Please contact Mark Pavek with any concerns or changes.

There should be a plant every 10-12 inches. Exceptions: top of bottom of lot where planter ran out of seed, seed tubers too large for planter, or plant did not emerge. You may dig for seed pieces.

Lots are 2 rows wide each by 100 feet in length (200 ft total). In 2020 lots in Tier 5 are 4 rows x 50 ft.

Plants were VISUALLY read, unless otherwise indicated. PVY test kits are used often.

MOSAIC does not necessarily mean the plant has PVY; rather, it is expressing symptoms that are commonly associated with PVY infection. It is likely, however, that those plants flagged with mosaic flags are infected with PVY. Moreover, PVY was confirmed in some flagged plants via an in-field test kit. PVS may be flagged as Mosaic.

NOTE: ALL PLANTS expressing visible symptoms were flagged (in the past, we never flagged more than 10 infected plants; the seed lot was recorded as having “Many”).

Additional copies may be obtained from the Washington State Potato Commission, 108 Interlake RD, Moses Lake, WA 98837, (509)765-8845; or from Dr. Mark Pavek, Washington State University, PO Box 646414, Pullman, WA 99164-6414 (509)335-6861. Electronic copies will also be available at potatoes.wsu.edu.

***Additional thanks to our 2021 seed lot readers and trainees!
We appreciate your efforts!***

Thanks to everyone behind the scenes:

Francisco Atilano
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Washington State Potato Commission
Washington State University
Lamb Weston
McCain Foods Inc
Simplot Raw Products

	Tier*	2021 Washington State Commercial Seed Lot Trial				Planting	Mosaic	Blackleg	
Row	W/M/E	Variety	Seed Receiver	Seed Grower	Source	Date	Yellow Flag	Red Flag	Comments and/or Other Flags
1-2	I	Clearwater	AgriNW - Eureka	Big Sky	MT	30-Mar	-	-	
1-2	II	Alturas	AgriNW - Eureka	Big Sky	MT	30-Mar	2	-	
3-4	I	Clearwater	AgriNW - McNary	Foth, Matt	MT	30-Mar	-	-	
3-4	II	Umatilla	AgriNW - McNary	Dykema	MT	30-Mar	-	-	
5-6	I	Clearwater	AgriNW - McNary	Kimm, Bill	MT	30-Mar	-	-	
5-6	II	Burbank	AgriNW	Kimm, Dan	MT	30-Mar	-	-	
7-8	I	Ranger	AgriNW - McNary	Kimm, Martin	MT	30-Mar	-	1	
7-8	II	Umatilla	AgriNW - McNary	Spring Creek	MT	30-Mar	-	-	
9-10	I	Umatilla	AgriNW - McNary	Coles Corner	MT	30-Mar	1	-	
9-10	II	Alturas	AgriNW - Eureka	Haarsma	CAN-AB	30-Mar	-	-	
11-12	I	Umatilla	AgriNW - McNary	Kimm, Bill	MT	30-Mar	-	-	
11-12	II	Ranger	AgriNW - Boardman	Stoddard	ID	30-Mar	-	-	
13-14	I	Umatilla	AgriNW - McNary	Dyk, Dan	MT	30-Mar	-	-	
13-14	II	Umatilla	AgriNW - McNary	Schutter Seed Farm	MT	30-Mar	-	-	
15-16	I	Clearwater	AgriNW	Foth, Matt	MT	30-Mar	-	-	
15-16	II	Clearwater	AgriNW - Eureka	Foth Farms	MT	30-Mar	-	-	
17-18	I	Clearwater	AgriNW - Boardman	Beutler	ID	30-Mar	-	-	
17-18	II	Clearwater	AgriNW	Spring Creek	MT	30-Mar	-	-	
19-20	I	Clearwater	AgriNW	Schutter Seed Farm	MT	30-Mar	-	-	
19-20	II	Clearwater	AgriNW - Boardman	Schutter Seed Farm	MT	30-Mar	-	-	
21-22	I	Burbank	AgriNW - Boardman	Spring Creek	MT	30-Mar	-	-	
21-22	II	Burbank	AgriNW - Boardman	Stoddard, Curtis	ID	30-Mar	-	-	
23-24	I	Clearwater	Friehe Farms	Schutter Seed Farm	MT	30-Mar	-	-	
23-24	II	Clearwater	Friehe Farms	Spring Creek	MT	30-Mar	-	-	
25-26	I	Alturas	Kehl Farms	Foster South Slope	ID	30-Mar	5	-	
25-26	II	Alturas	Kehl Farms	Gibbs Farms	ID	30-Mar	8	1	
27-28	I	Alturas	Kehl Farms	London Hills Farms	MT	30-Mar	1	-	
27-28	II	Alturas	Kehl Farms	Telford	ID	30-Mar	3	-	
29-30	I	Norkotah	Kehl Farms	Arnold, Dennie	ID	30-Mar	8	-	
29-30	II	Umatilla	AgriNW	Kimm, Dan	MT	30-Mar	-	-	
31-32	I	Umatilla	AgriNW - Boardman	Stoddard	ID	30-Mar	1	-	
31-32	II	Umatilla	AgriNW	Beutler	ID	30-Mar	1	-	

* Tier I = West, II = Middle, III = East

Row	Tier*	2021 Washington State Commercial Seed Lot Trial				Planting Date	Mosaic Yellow Flag	Blackleg Red Flag	Comments and/or Other Flags
	W/M/E	Variety	Seed Receiver	Seed Grower	Source				
33-34	I	Umatilla	AgriNW	Spring Creek	MT	30-Mar	1	-	
33-34	II	Umatilla	AgriNW - Boardman	Buyan, Bill	MT	30-Mar	-	-	
35-36	I	Umatilla	AgriNW	Foth, Matt	MT	30-Mar	-	-	
35-36	II	Umatilla	AgriNW - Boardman	Stoddard	ID	30-Mar	1	-	
37-38	I	Umatilla	AgriNW	Dykema, TJ	MT	30-Mar	-	-	
37-38	II	Umatilla	AgriNW - Boardman	Schutter Seed Farm	MT	30-Mar	1	-	
39-40	I	Ranger	AgriNW	Stoddard	ID	30-Mar	1	-	
39-40	II	Ranger	AgriNW	Kimm, Martin	MT	30-Mar	-	-	1 - Chimera
41-42	I	Ranger	Premier Seed	Belly River	CAN-AB	30-Mar	-	-	
41-42	II	Ranger	Premier Seed	Tobol Farms	MT	30-Mar	1	-	
41-42	III	Alturas	Elite Seed	Jorgenson Farms	ID	30-Mar	3	-	
43-44	I	Clearwater	Elite Seed	Jorgenson Farms	ID	30-Mar	-	-	
43-44	II	Alturas	Elite Seed	Lake Farms	MT	30-Mar	2	-	
43-44	III	Alturas	Elite Seed	Big Sky	MT	30-Mar	1	-	
45-46	I	Clearwater	Elite Seed	Starkel Farms	MT	30-Mar	-	-	
45-46	II	Clearwater	Elite Seed	Beutler	ID	30-Mar	-	-	
45-46	III	Clearwater	Elite Seed	Triple R	ID	30-Mar	-	1	
47-48	I	Clearwater	Elite Seed	Spring Creek	MT	30-Mar	-	2	
47-48	II	Clearwater	Elite Seed	Jorgenson Farms	ID	30-Mar	-	1	
47-48	III	Clearwater	Elite Seed	Droge, Glen	MT	30-Mar	-	-	
49-50	I	Norkotah	Elite Seed	Drost	CAN-AB	30-Mar	1	-	
49-50	II	Norkotah 296	Elite Seed	Arcadia	MT	30-Mar	-	-	
49-50	III	Hamlin	Elite Seed	CSS Farms	ID	30-Mar	-	-	
51-52	I	Dakota	Elite Seed	Trembling Prairie	MT	30-Mar	2	-	
51-52	II	Shepody	Elite Seed	Gilbert Farms	ID	30-Mar	2	1	
51-52	III	Lamoka	Elite Seed	Cal Ore	OR	30-Mar	-	10	
53-54	I	Ivory	Elite Seed	Starkel Farms	MT	30-Mar	10	-	1 - Variety Mix
53-54	II	Ivory	Elite Seed	Jorgenson Farms	ID	30-Mar	-	4	
53-54	III	Ivory	Elite Seed	Arcadia	MT	30-Mar	-	-	
55-56	I	Ranger	Elite Seed	Lake Seed	MT	30-Mar	13	-	
55-56	II	Ranger	Elite Seed	Hensley, Tim	MT	30-Mar	-	-	
55-56	III	Ranger	Elite Seed	Fleming Farms	MT	30-Mar	2	-	

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Row	Tier*	2021 Washington State Commercial Seed Lot Trial				Planting Date	Mosaic Yellow Flag	Blackleg Red Flag	Comments and/or Other Flags
	W/M/E	Variety	Seed Receiver	Seed Grower	Source				
57-58	I	Ranger	Elite Seed	Hensley, Tim	MT	30-Mar	-	-	
57-58	II	Ranger	Elite Seed	Kimm Bros.	MT	30-Mar	1	1	
57-58	III	Ranger	Elite Seed	Triple R	ID	30-Mar	-	-	
59-60	I	Ranger	Elite Seed	Lake Seed	MT	30-Mar	9	-	
59-60	II	Ranger	Elite Seed	Cottom Seed	MT	30-Mar	-	-	
59-60	III	Ranger	Elite Seed	Lake Farms	MT	30-Mar	2	-	
61-62	I	Ranger	Elite Seed	Foth Farms	MT	30-Mar	1	-	
61-62	II	Umatilla	Elite Seed	Spring Creek	MT	30-Mar	-	-	
61-62	III	Clearwater	CSS Farms	CSS Farms (Holbrook)	ID	30-Mar	-	-	
63-64	I	Burbank	CSS Farms	CSS Farms (Holbrook)	ID	30-Mar	-	-	
63-64	II	Burbank	CSS Farms	CSS Farms (Holbrook)	ID	30-Mar	-	-	
63-64	III	Clearwater	CSS Farms	CSS Farms (Holbrook)	ID	30-Mar	-	-	
65-66	I	Lamoka	CSS Farms	CSS Farms (lone)	OR	30-Mar	-	-	1 - Chimera
65-66	II	Lamoka	CSS Farms	CSS Farms (lone)	OR	30-Mar	-	-	
65-66	III	Snowden	CSS Farms	CSS Farms (lone)	OR	30-Mar	-	-	
67-68	I	Hodag	CSS Farms	CSS Farms (lone)	OR	30-Mar	-	-	
67-68	II	Hodag	CSS Farms	CSS Farms (lone)	OR	30-Mar	-	-	
67-68	III	Snowden	CSS Farms	CSS Farms (lone)	OR	30-Mar	-	-	
69-70	I	Hamlin	DBF	CSS Farms	ID	30-Mar	-	-	
69-70	II	Ivory	DBF	Starkel Farms	MT	30-Mar	-	-	
69-70	III	Ivory	RHD	Arcadia	MT	30-Mar	-	-	
71-72	I	Clearwater	Skone and Connors	Foth Farms	MT	30-Mar	1	-	
71-72	II	Ivory	DBF	Spring Creek	MT	30-Mar	-	2	
71-72	III	Ivory	RHD	Drost	CAN-AB	30-Mar	-	6	
73-74	I	Clearwater	Skone and Connors	Bedlington	WA	30-Mar	-	-	
73-74	II	Norkotah C-3	Skone and Connors	Teton/Skyline Farms	ID	30-Mar	-	-	
73-74	III	Ranger	Skone and Connors	Canyon View	MT	30-Mar	4	-	
75-76	I	Umatilla	Skone and Connors	Foth Farms	MT	30-Mar	-	1	
75-76	II	Ranger	Skone and Connors	Foth Farms	MT	30-Mar	-	-	
75-76	III	Ranger	Skone and Connors	Cottom	MT	30-Mar	-	-	
77-78	I	Clearwater	Skone and Connors	Schutter Seed Farm	MT	30-Mar	-	-	
77-78	II	Norkotah C-3	Skone and Connors	Cottom	MT	30-Mar	2	-	
77-78	III	Norkotah 278	Skone and Connors	Cottom	MT	30-Mar	-	-	2 - Chemical
79-80	I	Burbank	AgriNW - Boardman	Spring Creek	MT	30-Mar	-	1	
79-80	II	Norkotah 296	Skone and Connors	Cal-Ore	OR	30-Mar	2	-	1 - Calico
79-80	III	Clearwater	Skone and Connors	Schutter Seed Farm	MT	30-Mar	-	-	

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Row	Tier*	2021 Washington State Commercial Seed Lot Trial				Planting Date	Mosaic Yellow Flag	Blackleg Red Flag	Comments and/or Other Flags
	W/M/E	Variety	Seed Receiver	Seed Grower	Source				
81-82	I	Clearwater or Alverstone	100 Circles	Not listed	?	13-Apr	-	-	
81-82	II	Clearwater	100 Circles	Vanhuizen	MT	13-Apr	-	-	
81-82	III	Clearwater	100 Circles	Neibaur	ID	13-Apr	-	-	
83-84	I	Ivory	100 Circles	Lake, Dan	MT	13-Apr	3	-	1 - Variety Mix
83-84	II	Clearwater	100 Circles	Ricks	ID	13-Apr	-	-	
83-84	III	Clearwater	100 Circles	Foster	ID	13-Apr	-	-	
85-86	I	Ivory	100 Circles	Arcadia	MT	13-Apr	-	-	
85-86	II	Ivory	100 Circles	Vanhuizen	MT	13-Apr	-	-	
85-86	III	Ivory	100 Circles	Haarsma	CAN-AB	13-Apr	-	-	
87-88	I	Ranger	100 Circles	RT Kandler Farms	ID	13-Apr	1	-	
87-88	II	Ranger	100 Circles	Neibaur	ID	13-Apr	-	-	1 - Decayed seed piece
87-88	III	Ivory	100 Circles	Starkel Farms	MT	13-Apr	1	-	
89-90	I	Ranger	100 Circles	Ricks	ID	13-Apr	-	-	
89-90	II	Ranger	100 Circles	Kimm, Martin	MT	13-Apr	-	-	
89-90	III	Ranger	100 Circles	Gilbert Farms	ID	13-Apr	-	-	
91-92	I	Shepody	100 Circles	Gilbert Farms	ID	13-Apr	2	-	
91-92	II	Ranger	100 Circles	Cotton Seed	MT	13-Apr	-	-	
91-92	III	Ranger	100 Circles	Ricks	ID	13-Apr	-	-	
93-94	I	Shepody	100 Circles	Foster	ID	13-Apr	12	-	
93-94	II	Shepody	100 Circles	Belly River	CAN-AB	13-Apr	-	-	
93-94	III	Shepody	100 Circles	Foth	MT	13-Apr	1	1	
95-96	I	Hamlin	100 Circles	CSS - Holbrook	ID	13-Apr	-	-	
95-96	II	Echo	100 Circles	not listed		13-Apr	-	-	
95-96	III	Shepody	100 Circles	CSS - Boardman	OR	13-Apr	-	-	
97-98	I	Umatilla	Integrity Ag	Schutter Seed Farm	MT	13-Apr	-	-	
97-98	II	Umatilla	Integrity Ag	Spring Creek	MT	13-Apr	1	-	
97-98	III	Umatilla	Integrity Ag	Kandler Farms	ID	13-Apr	-	-	
99-100	I	Alturas	Weber Farms	Telford	ID	13-Apr	-	-	
99-100	II	Alturas	Weber Farms	Telford	ID	13-Apr	1	-	
99-100	III	Alturas	Weber Farms	Droge Farms	MT	13-Apr	-	-	
101-102	I	Alturas	Weber Farms	Starkel Farms	MT	13-Apr	6	-	
101-102	II	Alturas	Weber Farms	Telford	ID	13-Apr	-	-	
101-102	III	Alturas	Weber Farms	London Hills Farms	MT	13-Apr	-	-	
103-104	I	Clearwater	Weber Farms	Tobol Farms	MT	13-Apr	-	-	
103-104	II	Clearwater	Weber Farms	Telford	ID	13-Apr	-	1	
103-104	III	Alturas	Weber Farms	Telford	ID	13-Apr	-	-	

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	W/M/E	Variety	Seed Receiver	Seed Grower	Source				
105-106	I	Clearwater	Weber Farms	Starkel Seed	MT	13-Apr	-	-	
105-106	II	Clearwater	Weber Farms	Starkel Farms	MT	13-Apr	-	-	
105-106	III	Clearwater	Weber Farms	SHB	WA	13-Apr	-	-	
107-108	I	Burbank	Weber Farms	Kimm Bros.	MT	13-Apr	-	-	
107-108	II	Umatilla	Weber Farms	Tobol Farms	MT	13-Apr	1	-	
107-108	III	Umatilla	Weber Farms	SHB	WA	13-Apr	1	-	
109-110	I	Clearwater	Kehl Farms	Telford	ID	13-Apr	-	-	
109-110	II	Clearwater	Kehl Farms	Arbon Valley Seed	ID	13-Apr	-	3	
109-110	III	Umatilla	Not listed	Haarsma	CAN-AB	13-Apr	-	-	
111-112	I	Umatilla	Kehl Farms	Kimm, Dan	MT	13-Apr	-	-	
111-112	II	Umatilla	Kehl Farms	Arcadia	MT	13-Apr	-	-	
111-112	III	Umatilla	Kehl Farms	Streich	MT	13-Apr	-	-	
113-114	I	Clearwater	WHB	Schutter	MT	13-Apr	-	-	
113-114	II	Clearwater	WHB	Streich	MT	13-Apr	-	-	
113-114	III	Dark Red Norland	WHB	SHB	WA	13-Apr	-	-	
115-116	I	Ranger	WHB	SHB	WA	13-Apr	24	-	1 - Chemical
115-116	II	Ranger	WHB	Lake Seed	MT	13-Apr	7	-	1 - Variety Mix
115-116	III	Ranger	WHB	Cottom Seed	MT	13-Apr	-	-	
117-118	I	Umatilla	WHB	Streich	MT	13-Apr	-	-	
117-118	II	Umatilla	WHB	Schutter	MT	13-Apr	-	-	
117-118	III	Hamlin	Not listed	Not listed		13-Apr	-	-	
119-120	I	Ivory	Not listed	Starkel	MT	13-Apr	-	2	
119-120	II	Burbank	Not listed	not listed		13-Apr	-	-	
119-120	III	Ivory	Not listed	Arcadia	MT	13-Apr	-	1	
121-122	I	Lamoka	Not listed	CSS		13-Apr	-	-	
121-122	II	Burbank	AgriNW - Eureka	Groot Farms	CAN-AB	13-Apr	-	-	
121-122	III	Burbank	AgriNW - Eureka	Haarsma	CAN-AB	13-Apr	-	-	
123-124	I	Burbank	AgriNW	Schutter, Nick	MT	13-Apr	-	-	
123-124	II	Burbank	AgriNW - Boardman	Kimm, Dan	MT	13-Apr	1	-	
123-124	III	Burbank	AgriNW	Dykema, TJ	MT	13-Apr	-	-	
125-126	I	Burbank	AgriNW - McNary	Kimm, Martin	MT	13-Apr	-	-	
125-126	II	Burbank	AgriNW - McNary	Buyan, Bill	MT	13-Apr	-	-	
125-126	III	Burbank	AgriNW - Boardman	Schutter	MT	13-Apr	-	-	
127-128	I	Burbank	AgriNW - Eureka	Big Sky	MT	13-Apr	-	-	
127-128	II	Burbank	AgriNW - Eureka	Groot Farms	CAN-AB	13-Apr	-	-	
127-128	III	Burbank	AgriNW - Eureka	Dyk, Dan	MT	13-Apr	-	-	

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Row	Tier*	2021 Washington State Commercial Seed Lot Trial				Planting Date	Mosaic Yellow Flag	Blackleg Red Flag	Comments and/or Other Flags
	W/M/E	Variety	Seed Receiver	Seed Grower	Source				
129-130	I	Burbank	AgriNW - McNary	Kimm, Bill	MT	13-Apr	-	-	
129-130	II	Burbank	AgriNW - McNary	Dyk, Dan	MT	13-Apr	-	-	
129-130	III	Alturas	Premier Seed	LHF	MT	13-Apr	-	-	
131-132	I	Bintje	Premier Seed	Starkel Farms	MT	13-Apr	6	-	
131-132	II	Bintje	Premier Seed	Skyline	ID	13-Apr	2	-	
131-132	III	Alturas	Elite Seed	Lake, Jack	MT	13-Apr	2	-	
133-134	I	Burbank	Premier Seed	Meyer	CAN-AB	13-Apr	-	6	
133-134	II	Clearwater	Elite Seed	Spring Creek	MT	13-Apr	-	-	
133-134	III	Clearwater	Elite Seed	Starkel Farms	MT	13-Apr	1	-	
135-136	I	Clearwater	Elite Seed	Allied Potato	CO	13-Apr	1	-	
135-136	II	Clearwater	Premier Seed	Foth Farms	MT	13-Apr	-	-	
135-136	III	Clearwater	Elite Seed	Macy Farms	OR	13-Apr	-	-	
137-138	I	Clearwater	Premier Seed	Foster	ID	13-Apr	-	-	
137-138	II	Clearwater	Premier Seed	Spring Creek	ID	13-Apr	-	-	
137-138	III	Ciklamen	Premier Seed	EBE Farms	ID	13-Apr	-	2	
139-140	I	Lamoka	Premier Seed	Whites Farms	ID	13-Apr	-	-	1 - Chemical
139-140	II	Lamoka	Premier Seed	Christensen	ID	13-Apr	-	-	1 - Chimera
139-140	III	Ciklamen	Premier Seed	Beutler	ID	13-Apr	-	-	
141-142	I	Norkotah 278	Elite Seed	Cottom Seed	MT	13-Apr	-	-	
141-142	II	Norkotah	Premier Seed	Norbest	CAN-AB	13-Apr	-	-	
141-142	III	Norkotah 278	Premier Seed	Telford	ID	13-Apr	-	-	
143-144	I	Ranger	Premier Seed	Gibbs Farms	ID	13-Apr	-	-	
143-144	II	Ranger	Elite Seed	Lake Seed	MT	13-Apr	15	-	
143-144	III	Ranger	Elite Seed	Fleming Farms	MT	13-Apr	1	-	
145-146	I	Umatilla	Premier Seed	Foth Farms	MT	13-Apr	1	-	
145-146	II	Umatilla	Premier Seed	Gibbs Farms	ID	13-Apr	1	-	
145-146	III	Yukon Gem	Premier Seed	Telford	ID	13-Apr	-	-	
147-148	I	Alturas	MHB Farms	LHF	MT	13-Apr	1	-	1 - Chemical
147-148	II	Alturas	MHB Farms	Lake, Jack	MT	13-Apr	-	-	
147-148	III	Alturas	MHB Farms	Telford, Mike	ID	13-Apr	10	-	
149-150	I	Nordonna	MHB Farms	Not listed	WA	13-Apr	4	-	
149-150	II	Galena	WSU experimetal	Not listed	na	13-Apr	-	-	
149-150	III	Clearwater	CSS Farms	CSS Farms	ID	13-Apr	-	-	
151-152	I	Burbank	WHB	Schutter	MT	26-Apr	-	-	
151-152	II	Burbank	WHB	Streich	MT	26-Apr	-	-	
151-152	III	Burbank	WHB	Cottom Seed	MT	26-Apr	-	-	

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Row	Tier*	2021 Washington State Commercial Seed Lot Trial				Planting Date	Mosaic Yellow Flag	Blackleg Red Flag	Comments and/or Other Flags
	W/M/E	Variety	Seed Receiver	Seed Grower	Source				
153-154	I	Burbank	WHB	SHB	WA	26-Apr	-	-	20 - Chemical
153-154	II	Burbank	WHB	Lake Seed	MT	26-Apr	-	-	
153-154	III	Umatilla	WHB	SHB	WA	26-Apr	1	-	
155-156	I	Burbank	Elite Seed	Hensley, Tim	MT	26-Apr	-	-	
155-156	II	Ivory	Elite Seed	Starkel Farms	MT	26-Apr	21	-	
155-156	III	Chieftain	Elite Seed	Bedlington	WA	26-Apr	-	-	
157-158	I	Burbank	Elite Seed	Spring Creek	MT	26-Apr	1	-	
157-158	II	Burbank	Elite Seed	Kimm Bros.	MT	26-Apr	-	-	
157-158	III	Umatilla	Elite Seed	Foth Farms	MT	26-Apr	-	-	
159-160	I	Alturas	100 Circles	Foster	ID	26-Apr	9	-	
159-160	II	Alturas	100 Circles	Crapo	ID	26-Apr	4	-	
159-160	III	Umatilla	Elite Seed	Spring Creek	MT	26-Apr	1	-	
161-162	I	Alturas	100 Circles	Gibbs Farms	ID	26-Apr	7	-	
161-162	II	Alturas	100 Circles	Jorgenson Farms	ID	26-Apr	1	-	1 - Variety Mix
161-162	III	Alturas	100 Circles	Gilbert Farms	ID	26-Apr	-	-	
163-164	I	Clearwater	100 Circles	Crapo	ID	26-Apr	-	-	
163-164	II	Clearwater	100 Circles	Beutler	ID	26-Apr	1	-	
163-164	III	Alturas	100 Circles	Droge Farms	MT	26-Apr	1	-	
165-166	I	Umatilla	100 Circles	Tobol Farms	MT	26-Apr	3	-	
165-166	II	Umatilla	100 Circles	Kandler Farms	ID	26-Apr	1	-	
165-166	III	Umatilla	100 Circles	Dykema	MT	26-Apr	-	-	
167-168	I	Clearwater	Skone and Connors?	Kummer	CAN-AB	26-Apr	-	1	
167-168	II	Clearwater	Skone and Connors?	Beutler	ID	26-Apr	1	-	
167-168	III	Clearwater	Skone and Connors?	Miller, S.	ME	26-Apr	-	-	
169-170	I	Clearwater	Skone and Connors?	3 Rivers	CAN	26-Apr	-	-	
169-170	II	Clearwater	Skone and Connors?	3 Rivers	CAN	26-Apr	-	-	
169-170	III	Norkotah 278	Skone and Connors?	Unknown grower		26-Apr	-	-	
171-172	I	Norkotah 278	Skone and Connors?	Blue Sky	CO	26-Apr	1	-	
171-172	II	Norkotah C-3	Skone and Connors?	Cal-Ore	OR	26-Apr	3	-	
171-172	III	Norkotah C-3	Skone and Connors?	3 Rivers	MT	26-Apr	10	-	
173-174	I	Burbank	Skone and Connors?	Kummer	CAN-AB	26-Apr	-	-	
173-174	II	Umatilla	Skone and Connors?	3 Rivers	CAN	26-Apr	-	-	
173-174	III	Burbank	Premier Seed	Spring Creek	MT	26-Apr	-	-	
175-176	I	Ciklamen	Premier Seed	Beutler	ID	26-Apr	-	-	
175-176	II	Nordonna	Premier Seed	Skyline	ID	26-Apr	-	-	
175-176	III	Ranger	Premier Seed	Foth Farms	MT	26-Apr	-	-	

* Tier I = West, II = Middle, III = East

Row	Tier*	2021 Washington State Commercial Seed Lot Trial				Planting Date	Mosaic Yellow Flag	Blackleg Red Flag	Comments and/or Other Flags
	W/M/E	Variety	Seed Receiver	Seed Grower	Source				
177-178	I	Umatilla	Premier Seed	Tobol Farms	MT	26-Apr	2	-	
177-178	II	Bintje	Premier Seed	Double S	ID	26-Apr	11	-	
177-178	III	Yukon Gold	Premier Seed	Gilbert Farms	ID	26-Apr	-	-	
179-180	I	Castle	WSU experimetal	not listed	na	26-Apr	-	-	
179-180	II	Burbank	AgriNW - McNary	Schutter	MT	26-Apr	-	-	
179-180	III	Dark Red Norland	Premier Seed	Telford	ID	26-Apr	-	1	
181-182	I	Burbank	MHB Farms	Telford	ID	4-May	-	-	1 - Chemical
181-182	II	Burbank	MHB Farms	SHB	WA	4-May	-	-	2 - Chemical
181-182	III	Burbank	MHB Farms	Jack Lake	MT	4-May	-	-	
183-184	I	Burbank	MHB Farms	Streich	MT	4-May	-	-	1 - Chemical
183-184	II	Burbank	MHB Farms	LHF	MT	4-May	-	-	
183-184	III	Burbank	MHB Farms	Foth Farms	MT	4-May	1	-	
185-186	I	Burbank	Saddle View Farms	SHB	WA	4-May	-	-	
185-186	II	Burbank	Saddle View Farms	Lake, Dan	MT	4-May	-	-	
185-186	III	Alturas	Weber Farms	CSS Farms	ID	4-May	-	-	
187-188	I	Burbank	Kehl Farms	Streich	MT	4-May	-	-	
187-188	II	Burbank	Kehl Farms	Arcadia	MT	4-May	-	-	
187-188	III	Burbank	Kehl Farms	Macy Farms	OR	4-May	-	-	
189-190	I	Burbank	Kehl Farms	Foth Farms	MT	4-May	-	-	
189-190	II	Umatilla	Integrity Ag	Weidenaar Ranch	MT	4-May	-	1	
189-190	III	Burbank	Integrity Ag	Schutter Seed Farm	MT	4-May	-	-	
191-192	I	Red LaSoda	WSU experimetal	not listed	na	4-May	4	-	
191-192	II	NDA050237B-1R	WSU experimetal	not listed	na	4-May	6	-	
191-192	III	Burbank	Integrity Ag	Weidenaar Ranch	MT	4-May	-	-	

* Tier I = West, II = Middle, III = East

2021 Washington State Commercial Seed Lot Trial

Appendix A

Sorted by Seed Receiver

Row	Tier I-III	Seed Receiver
81-82	I	100 Circles
81-82	II	100 Circles
81-82	III	100 Circles
83-84	I	100 Circles
83-84	II	100 Circles
83-84	III	100 Circles
85-86	I	100 Circles
85-86	II	100 Circles
85-86	III	100 Circles
87-88	I	100 Circles
87-88	II	100 Circles
87-88	III	100 Circles
89-90	I	100 Circles
89-90	II	100 Circles
89-90	III	100 Circles
91-92	I	100 Circles
91-92	II	100 Circles
91-92	III	100 Circles
93-94	I	100 Circles
93-94	II	100 Circles
93-94	III	100 Circles
95-96	I	100 Circles
95-96	II	100 Circles
95-96	III	100 Circles
159-160	I	100 Circles
159-160	II	100 Circles
161-162	I	100 Circles
161-162	II	100 Circles
161-162	III	100 Circles
163-164	I	100 Circles
163-164	II	100 Circles
163-164	III	100 Circles
165-166	I	100 Circles
165-166	II	100 Circles
165-166	III	100 Circles
5-6	II	AgriNW
15-16	I	AgriNW
17-18	II	AgriNW
19-20	I	AgriNW
29-30	II	AgriNW
31-32	II	AgriNW
33-34	I	AgriNW
35-36	I	AgriNW
37-38	I	AgriNW
39-40	I	AgriNW

Row	Tier I-III	Seed Receiver
39-40	II	AgriNW
123-124	I	AgriNW
123-124	III	AgriNW
11-12	II	AgriNW - Boardman
17-18	I	AgriNW - Boardman
19-20	II	AgriNW - Boardman
21-22	I	AgriNW - Boardman
21-22	II	AgriNW - Boardman
31-32	I	AgriNW - Boardman
33-34	II	AgriNW - Boardman
35-36	II	AgriNW - Boardman
37-38	II	AgriNW - Boardman
79-80	I	AgriNW - Boardman
123-124	II	AgriNW - Boardman
125-126	III	AgriNW - Boardman
1-2	I	AgriNW - Eureka
1-2	II	AgriNW - Eureka
9-10	II	AgriNW - Eureka
15-16	II	AgriNW - Eureka
121-122	II	AgriNW - Eureka
121-122	III	AgriNW - Eureka
127-128	I	AgriNW - Eureka
127-128	II	AgriNW - Eureka
127-128	III	AgriNW - Eureka
3-4	I	AgriNW - McNary
3-4	II	AgriNW - McNary
5-6	I	AgriNW - McNary
7-8	I	AgriNW - McNary
7-8	II	AgriNW - McNary
9-10	I	AgriNW - McNary
11-12	I	AgriNW - McNary
13-14	I	AgriNW - McNary
13-14	II	AgriNW - McNary
125-126	I	AgriNW - McNary
125-126	II	AgriNW - McNary
129-130	I	AgriNW - McNary
129-130	II	AgriNW - McNary
179-180	II	AgriNW - McNary
61-62	III	CSS Farms
63-64	I	CSS Farms
63-64	II	CSS Farms
63-64	III	CSS Farms
65-66	I	CSS Farms
65-66	II	CSS Farms
65-66	III	CSS Farms

2021 Washington State Commercial Seed Lot Trial

Appendix A

Sorted by Seed Receiver

Row	Tier I-III	Seed Receiver
67-68	I	CSS Farms
67-68	II	CSS Farms
67-68	III	CSS Farms
149-150	III	CSS Farms
69-70	I	DBF
69-70	II	DBF
71-72	II	DBF
41-42	III	Elite Seed
43-44	I	Elite Seed
43-44	II	Elite Seed
43-44	III	Elite Seed
45-46	I	Elite Seed
45-46	II	Elite Seed
45-46	III	Elite Seed
47-48	I	Elite Seed
47-48	II	Elite Seed
47-48	III	Elite Seed
49-50	I	Elite Seed
49-50	II	Elite Seed
49-50	III	Elite Seed
51-52	I	Elite Seed
51-52	II	Elite Seed
51-52	III	Elite Seed
53-54	I	Elite Seed
53-54	II	Elite Seed
53-54	III	Elite Seed
55-56	I	Elite Seed
55-56	II	Elite Seed
55-56	III	Elite Seed
57-58	I	Elite Seed
57-58	II	Elite Seed
57-58	III	Elite Seed
59-60	I	Elite Seed
59-60	II	Elite Seed
59-60	III	Elite Seed
61-62	I	Elite Seed
61-62	II	Elite Seed
131-132	III	Elite Seed
133-134	II	Elite Seed
133-134	III	Elite Seed
135-136	I	Elite Seed
135-136	III	Elite Seed
141-142	I	Elite Seed
143-144	II	Elite Seed
143-144	III	Elite Seed

Row	Tier I-III	Seed Receiver
155-156	I	Elite Seed
155-156	II	Elite Seed
155-156	III	Elite Seed
157-158	I	Elite Seed
157-158	II	Elite Seed
157-158	III	Elite Seed
159-160	III	Elite Seed
23-24	I	Friehe Farms
23-24	II	Friehe Farms
97-98	I	Integrity Ag
97-98	II	Integrity Ag
97-98	III	Integrity Ag
189-190	II	Integrity Ag
189-190	III	Integrity Ag
191-192	III	Integrity Ag
25-26	I	Kehl Farms
25-26	II	Kehl Farms
27-28	I	Kehl Farms
27-28	II	Kehl Farms
29-30	I	Kehl Farms
109-110	I	Kehl Farms
109-110	II	Kehl Farms
111-112	I	Kehl Farms
111-112	II	Kehl Farms
111-112	III	Kehl Farms
187-188	I	Kehl Farms
187-188	II	Kehl Farms
187-188	III	Kehl Farms
189-190	I	Kehl Farms
147-148	I	MHB Farms
147-148	II	MHB Farms
147-148	III	MHB Farms
149-150	I	MHB Farms
181-182	I	MHB Farms
181-182	II	MHB Farms
181-182	III	MHB Farms
183-184	I	MHB Farms
183-184	II	MHB Farms
183-184	III	MHB Farms
109-110	III	Not listed
117-118	III	Not listed
119-120	I	Not listed
119-120	II	Not listed
119-120	III	Not listed
121-122	I	Not listed

2021 Washington State Commercial Seed Lot Trial

Appendix A

Sorted by Seed Receiver

Row	Tier I-III	Seed Receiver
41-42	I	Premier Seed
41-42	II	Premier Seed
129-130	III	Premier Seed
131-132	I	Premier Seed
131-132	II	Premier Seed
133-134	I	Premier Seed
135-136	II	Premier Seed
137-138	I	Premier Seed
137-138	II	Premier Seed
137-138	III	Premier Seed
139-140	I	Premier Seed
139-140	II	Premier Seed
139-140	III	Premier Seed
141-142	II	Premier Seed
141-142	III	Premier Seed
143-144	I	Premier Seed
145-146	I	Premier Seed
145-146	II	Premier Seed
145-146	III	Premier Seed
173-174	III	Premier Seed
175-176	I	Premier Seed
175-176	II	Premier Seed
175-176	III	Premier Seed
177-178	I	Premier Seed
177-178	II	Premier Seed
177-178	III	Premier Seed
179-180	III	Premier Seed
69-70	III	RHD
71-72	III	RHD
185-186	I	Saddle View Farms
185-186	II	Saddle View Farms
71-72	I	Skone and Connors
73-74	I	Skone and Connors
73-74	II	Skone and Connors
73-74	III	Skone and Connors
75-76	I	Skone and Connors
75-76	II	Skone and Connors
75-76	III	Skone and Connors
77-78	I	Skone and Connors
77-78	II	Skone and Connors
77-78	III	Skone and Connors
79-80	II	Skone and Connors
79-80	III	Skone and Connors
167-168	I	Skone and Connors
167-168	II	Skone and Connors

Row	Tier I-III	Seed Receiver
167-168	III	Skone and Connors
169-170	I	Skone and Connors
169-170	II	Skone and Connors
169-170	III	Skone and Connors
171-172	I	Skone and Connors
171-172	II	Skone and Connors
171-172	III	Skone and Connors
173-174	I	Skone and Connors
173-174	II	Skone and Connors
99-100	I	Weber Farms
99-100	II	Weber Farms
99-100	III	Weber Farms
101-102	I	Weber Farms
101-102	II	Weber Farms
101-102	III	Weber Farms
103-104	I	Weber Farms
103-104	II	Weber Farms
103-104	III	Weber Farms
105-106	I	Weber Farms
105-106	II	Weber Farms
105-106	III	Weber Farms
107-108	I	Weber Farms
107-108	II	Weber Farms
107-108	III	Weber Farms
185-186	III	Weber Farms
113-114	I	WHB
113-114	II	WHB
113-114	III	WHB
115-116	I	WHB
115-116	II	WHB
115-116	III	WHB
117-118	I	WHB
117-118	II	WHB
151-152	I	WHB
151-152	II	WHB
151-152	III	WHB
153-154	I	WHB
153-154	II	WHB
153-154	III	WHB
149-150	II	WSU experimetal
179-180	I	WSU experimetal
191-192	I	WSU experimetal
191-192	II	WSU experimetal

2021 Washington State Commercial Seed Lot Trial

Appendix B

Sorted by Seed Grower

Row	Tier I-III	Seed Grower
169-170	I	3 Rivers
169-170	II	3 Rivers
171-172	III	3 Rivers
173-174	II	3 Rivers
135-136	I	Allied Potato
109-110	II	Arbon Valley Seed
49-50	II	Arcadia
53-54	III	Arcadia
69-70	III	Arcadia
85-86	I	Arcadia
111-112	II	Arcadia
119-120	III	Arcadia
187-188	II	Arcadia
29-30	I	Arnold, Dennie
73-74	I	Bedlington
155-156	III	Bedlington
41-42	I	Belly River
93-94	II	Belly River
17-18	I	Beutler
31-32	II	Beutler
45-46	II	Beutler
139-140	III	Beutler
163-164	II	Beutler
167-168	II	Beutler
175-176	I	Beutler
1-2	I	Big Sky
1-2	II	Big Sky
43-44	III	Big Sky
127-128	I	Big Sky
171-172	I	Blue Sky
33-34	II	Buyan, Bill
125-126	II	Buyan, Bill
51-52	III	Cal Ore
79-80	II	Cal-Ore
171-172	II	Cal-Ore
73-74	III	Canyon View
139-140	II	Christensen
9-10	I	Coles Corner
75-76	III	Cottom
77-78	II	Cottom
77-78	III	Cottom
59-60	II	Cottom Seed
91-92	II	Cottom Seed
115-116	III	Cottom Seed
141-142	I	Cottom Seed

Row	Tier I-III	Seed Grower
151-152	III	Cottom Seed
159-160	II	Crapo
163-164	I	Crapo
121-122	I	CSS
95-96	III	CSS - Boardman
95-96	I	CSS - Holbrook
49-50	III	CSS Farms
69-70	I	CSS Farms
149-150	III	CSS Farms
185-186	III	CSS Farms
61-62	III	CSS Farms (Holbrook)
63-64	I	CSS Farms (Holbrook)
63-64	II	CSS Farms (Holbrook)
63-64	III	CSS Farms (Holbrook)
65-66	I	CSS Farms (lone)
65-66	II	CSS Farms (lone)
65-66	III	CSS Farms (lone)
67-68	I	CSS Farms (lone)
67-68	II	CSS Farms (lone)
67-68	III	CSS Farms (lone)
177-178	II	Double S
99-100	III	Droge Farms
163-164	III	Droge Farms
47-48	III	Droge, Glen
49-50	I	Drost
71-72	III	Drost
13-14	I	Dyk, Dan
127-128	III	Dyk, Dan
129-130	II	Dyk, Dan
3-4	II	Dykema
165-166	III	Dykema
37-38	I	Dykema, TJ
123-124	III	Dykema, TJ
137-138	III	EBE Farms
55-56	III	Fleming Farms
143-144	III	Fleming Farms
83-84	III	Foster
137-138	I	Foster
159-160	I	Foster
93-94	I	Foster
25-26	I	Foster South Slope
93-94	III	Foth
15-16	II	Foth Farms
61-62	I	Foth Farms
71-72	I	Foth Farms

2021 Washington State Commercial Seed Lot Trial

Appendix B

Sorted by Seed Grower

Row	Tier I-III	Seed Grower
75-76	I	Foth Farms
75-76	II	Foth Farms
135-136	II	Foth Farms
145-146	I	Foth Farms
157-158	III	Foth Farms
175-176	III	Foth Farms
183-184	III	Foth Farms
189-190	I	Foth Farms
3-4	I	Foth, Matt
15-16	I	Foth, Matt
35-36	I	Foth, Matt
25-26	II	Gibbs Farms
143-144	I	Gibbs Farms
145-146	II	Gibbs Farms
161-162	I	Gibbs Farms
51-52	II	Gilbert Farms
89-90	III	Gilbert Farms
91-92	I	Gilbert Farms
161-162	III	Gilbert Farms
177-178	III	Gilbert Farms
121-122	II	Groot Farms
127-128	II	Groot Farms
9-10	II	Haarsma
85-86	III	Haarsma
109-110	III	Haarsma
121-122	III	Haarsma
55-56	II	Hensley, Tim
57-58	I	Hensley, Tim
155-156	I	Hensley, Tim
181-182	III	Jack Lake
41-42	III	Jorgenson Farms
43-44	I	Jorgenson Farms
47-48	II	Jorgenson Farms
53-54	II	Jorgenson Farms
161-162	II	Jorgenson Farms
97-98	III	Kandler Farms
165-166	II	Kandler Farms
57-58	II	Kimm Bros.
107-108	I	Kimm Bros.
157-158	II	Kimm Bros.
5-6	I	Kimm, Bill
11-12	I	Kimm, Bill
129-130	I	Kimm, Bill
5-6	II	Kimm, Dan
29-30	II	Kimm, Dan

Row	Tier I-III	Seed Grower
111-112	I	Kimm, Dan
123-124	II	Kimm, Dan
7-8	I	Kimm, Martin
39-40	II	Kimm, Martin
89-90	II	Kimm, Martin
125-126	I	Kimm, Martin
167-168	I	Kummer
173-174	I	Kummer
43-44	II	Lake Farms
59-60	III	Lake Farms
55-56	I	Lake Seed
59-60	I	Lake Seed
115-116	II	Lake Seed
143-144	II	Lake Seed
153-154	II	Lake Seed
83-84	I	Lake, Dan
185-186	II	Lake, Dan
131-132	III	Lake, Jack
147-148	II	Lake, Jack
129-130	III	LHF
147-148	I	LHF
183-184	II	LHF
27-28	I	London Hills Farms
101-102	III	London Hills Farms
135-136	III	Macy Farms
187-188	III	Macy Farms
133-134	I	Meyer
167-168	III	Miller, S.
81-82	III	Neibaur
87-88	II	Neibaur
141-142	II	Norbest
81-82	I	Not listed
95-96	II	not listed
117-118	III	Not listed
119-120	II	not listed
149-150	I	Not listed
149-150	II	Not listed
179-180	I	not listed
191-192	I	not listed
191-192	II	not listed
83-84	II	Ricks
89-90	I	Ricks
91-92	III	Ricks
87-88	I	RT Kandler Farms
113-114	I	Schutter

2021 Washington State Commercial Seed Lot Trial

Appendix B

Sorted by Seed Grower

Row	Tier I-III	Seed Grower
117-118	II	Schutter
125-126	III	Schutter
151-152	I	Schutter
179-180	II	Schutter
13-14	II	Schutter Seed Farm
19-20	I	Schutter Seed Farm
19-20	II	Schutter Seed Farm
23-24	I	Schutter Seed Farm
37-38	II	Schutter Seed Farm
77-78	I	Schutter Seed Farm
79-80	III	Schutter Seed Farm
97-98	I	Schutter Seed Farm
189-190	III	Schutter Seed Farm
123-124	I	Schutter, Nick
105-106	III	SHB
107-108	III	SHB
113-114	III	SHB
115-116	I	SHB
153-154	I	SHB
153-154	III	SHB
181-182	II	SHB
185-186	I	SHB
131-132	II	Skyline
175-176	II	Skyline
7-8	II	Spring Creek
17-18	II	Spring Creek
21-22	I	Spring Creek
23-24	II	Spring Creek
33-34	I	Spring Creek
47-48	I	Spring Creek
61-62	II	Spring Creek
71-72	II	Spring Creek
79-80	I	Spring Creek
97-98	II	Spring Creek
133-134	II	Spring Creek
137-138	II	Spring Creek
157-158	I	Spring Creek
159-160	III	Spring Creek
173-174	III	Spring Creek
119-120	I	Starkel
45-46	I	Starkel Farms
53-54	I	Starkel Farms
69-70	II	Starkel Farms
87-88	III	Starkel Farms
101-102	I	Starkel Farms

Row	Tier I-III	Seed Grower
105-106	II	Starkel Farms
131-132	I	Starkel Farms
133-134	III	Starkel Farms
155-156	II	Starkel Farms
105-106	I	Starkel Seed
11-12	II	Stoddard
31-32	I	Stoddard
35-36	II	Stoddard
39-40	I	Stoddard
21-22	II	Stoddard, Curtis
111-112	III	Streich
113-114	II	Streich
117-118	I	Streich
151-152	II	Streich
183-184	I	Streich
187-188	I	Streich
27-28	II	Telford
99-100	I	Telford
99-100	II	Telford
101-102	II	Telford
103-104	II	Telford
103-104	III	Telford
109-110	I	Telford
141-142	III	Telford
145-146	III	Telford
179-180	III	Telford
181-182	I	Telford
147-148	III	Telford, Mike
73-74	II	Teton/Skyline Farms
41-42	II	Tobol Farms
103-104	I	Tobol Farms
107-108	II	Tobol Farms
165-166	I	Tobol Farms
177-178	I	Tobol Farms
51-52	I	Trembling Prairie
45-46	III	Triple R
57-58	III	Triple R
169-170	III	Unknown grower
81-82	II	Vanhuizen
85-86	II	Vanhuizen
189-190	II	Weidenaar Ranch
191-192	III	Weidenaar Ranch
139-140	I	Whites Farms