

## 2021 WSU Variety Testing Soft Winter Wheat Trial, Fairfield

Variety Name		•	J	2021		•	2 Year	3 Year	5 Year
Norwest Durier	Variety Name	Yield	Test WT	Protein	Plant HT	Head	Average	Average	Average
Norwest Duet	Club Italicized	(Bu/A)	(Lbs/Bu)	(%)	(ln)	Date	(Bu/A)	(Bu/A)	(Bu/A)
Sockey CL+ (WA8306 CL+)	Released Varieties								
CR2XZ CL-	Norwest Duet	43	59.5	10.6	28	161	91	93	94
No.   No.	Sockeye CL+ (WA8306 CL+)	42	59.6	10.1	28	159	94	99	
Vi   Presto CL+ (UIL 17-6451 CL+)	OR2X2 CL+	41	58.1	12.0	25	160	84	86	82
CS Blackjack	YSC-93	41	60.2	10.9	24	158			
Piranha CL+ (WA8305 CL+)	VI Presto CL+ (UIL 17-6451 CL+)	41	61.9	11.6	26	158			
WB1783	LCS Blackjack	40	56.2	10.9	24	159	95	96	
PNW Hailey   39   61.3   11.0   26   158	Piranha CL+ (WA8305 CL+)	40	59.5	10.6	27	159	94	99	
Masser	WB1783	39	61.8	11.4	26	159	86	86	84
ARS-Seibu   39   59.4   11.8   24   161	PNW Hailey	39	61.3	11.0	26	158			
Vi Voodoo CL+ (UIL 17-6268 CL+)	Jasper	39	55.2	11.7	25	159	88	92	92
LCS Artdeco	ARS-Selbu	39	59.4	11.8	24	161			
LCS Shine	VI Voodoo CL+ (UIL 17-6268 CL+)	39	60.0	11.3	22	159	88	87	
AP Dynamic	LCS Artdeco	38	58.9	10.4	21	159	92	88	87
LCS Hulk	LCS Shine	38	58.0	10.4	18	158	87		90
Stingray CL+	AP Dynamic	38	55.0	11.3	25	161	88		
AP Iliad         37         59.2         11.2         25         156         90         93           Nixon         37         57.9         11.2         26         159         85         89         87           ARS-Crescent         37         57.6         11.3         23         162         86         90         93           AP Exceed (11PN039#20)         36         60.4         10.6         23         156         50         89         89         89           SY Dayton         36         59.8         11.2         22         159         88         89         89           M-press         35         58.7         10.6         26         159         89         91           ARS-Castella         35         58.4         11.1         21         159         83         86           Princhett         35         69.9         12.5         24         159         85         80           LCS Drive         35         60.0         11.6         24         158         86         82         80           Resilience CL+         35         60.0         11.6         24         158         86         89	LCS Hulk	38	58.4	11.7	24	159	88	89	90
Nixon   37   57.9   11.2   26   159   85   89   87     ARS-Crescent   37   57.6   11.3   23   162   86   90   93     AP Exceed (11PN039#20)   36   60.4   11.6   23   156     SY Dayton   36   59.8   11.2   22   159   88   89   89     M-press   35   58.7   10.6   26   159   89   91     ARS-Castella   35   58.4   11.1   21   159   83   86     Pritchett   35   59.9   12.5   24   159   85     LCS Drive   35   57.6   11.8   21   156   86   82   80     Resilience CL+   35   60.0   11.6   25   161   81   83   84     Puma   34   59.7   12.0   26   161   80   82   85     Purl   32   59.8   11.5   24   158   86   89   88     WB1604   32   60.8   12.9   22   156   81   83   83     Norwest Tandem   32   59.3   11.9   21   157   87   90   93     YSC-215   29   60.5   11.6   24   160     Ul Magic CL+   28   60.7   12.0   24   160     Ul Magic CL+   41   58.5   11.6   24   159      Experimental Lines	Stingray CL+	38	58.7	12.0	25	160	87	89	
ARS-Crescent         37         57.6         11.3         23         162         86         90         93           AP Exceed (11PN039#20)         36         60.4         10.6         23         156	AP Iliad	37	59.2	11.2	25	156	90	93	
AP Exceed (11PN039#20)         36         60.4         10.6         23         156           SY Dayton         36         59.8         11.2         22         159         88         89         89           M-press         35         58.7         10.6         26         159         89         91           ARS-Castella         35         58.4         11.1         21         159         83         86           Pritchett         35         59.9         12.5         24         159         85         80           LCS Drive         35         57.6         11.8         21         156         86         82         80           Resilience CL+         35         60.0         11.6         25         161         81         83         84           Puma         34         59.7         12.0         26         161         80         82         85           Pul         32         59.8         11.5         24         158         86         89         88           WB1604         32         60.8         12.9         22         156         81         83         83           YSC-215         29<	Nixon	37	57.9	11.2	26	159	85	89	87
SY Dayton         36         59.8         11.2         22         159         88         89         89           M-press         35         58.7         10.6         26         159         89         91           ARS-Castella         35         58.4         11.1         21         159         83         86           Pritchett         35         59.9         12.5         24         159         85         LCS Drive           LCS Drive         35         59.9         12.5         24         159         85         LCS Drive         35         60.0         11.6         25         161         81         83         84           Puma         34         59.7         12.0         26         161         80         82         85           Purl         32         59.8         11.5         24         158         86         89         88           WB1604         32         60.8         12.9         22         156         81         83         89           WB1604         32         60.8         12.9         22         156         81         83         88           WB1604         32	ARS-Crescent	37	57.6	11.3	23	162	86	90	93
M-press       35       58.7       10.6       26       159       89       91         ARS-Castella       35       58.4       11.1       21       159       83       86         Pritchett       35       59.9       12.5       24       159       85         LCS Drive       35       57.6       11.8       21       156       86       82       80         Resilience CL+       35       60.0       11.6       25       161       81       83       84         Puma       34       59.7       12.0       26       161       80       82       85         Purl       32       59.8       11.5       24       158       86       89       88         WB1604       32       60.8       12.9       22       156       81       83       83         WB1604       32       60.8       12.9       22       156       81       83       83         WB1604       32       60.8       12.9       22       156       81       83       83         WB1604       32       60.5       11.6       24       160       71       76       79 <t< th=""><td>AP Exceed (11PN039#20)</td><td>36</td><td>60.4</td><td>10.6</td><td>23</td><td>156</td><td></td><td></td><td></td></t<>	AP Exceed (11PN039#20)	36	60.4	10.6	23	156			
ARS-Castella       35       58.4       11.1       21       159       83       86         Pritchett       35       59.9       12.5       24       159       85         LCS Drive       35       57.6       11.8       21       156       86       82       80         Resilience CL+       35       60.0       11.6       25       161       80       82       80         Puma       34       59.7       12.0       26       161       80       82       85         Purl       32       59.8       11.5       24       158       86       89       88         WB1604       32       60.8       12.9       22       156       81       83       83         Norwest Tandem       32       59.3       11.9       21       157       87       90       93         YSC-215       29       60.5       11.6       24       160       71       76       79         Experimental Lines       45       60.0       11.4       30       158       90       90         LWW17-8185       43       60.1       9.7       24       159       90       92	SY Dayton	36	59.8	11.2	22	159	88	89	89
Pritchett   35   59.9   12.5   24   159   85	M-press	35	58.7	10.6	26	159	89	91	
LCS Drive   35   57.6   11.8   21   156   86   82   80   Resilience CL+   35   60.0   11.6   25   161   81   83   84   Puma   34   59.7   12.0   26   161   80   82   85   Purl   32   59.8   11.5   24   158   86   89   88   WB1604   32   60.8   12.9   22   156   81   83   83   WB1604   32   59.3   11.9   21   157   87   90   93   YSC-215   29   60.5   11.6   24   160   71   76   79   YSC-215   28   60.7   12.0   24   160   71   76   79   YSC-215   28   60.7   12.0   24   160   71   76   79   YSC-215   28   60.7   12.0   24   160   71   76   79   YSC-215   79   79   79   79   79   79   79   7	ARS-Castella	35	58.4	11.1	21	159	83	86	
Resilience CL+         35         60.0         11.6         25         161         81         83         84           Puma         34         59.7         12.0         26         161         80         82         85           Purl         32         59.8         11.5         24         158         86         89         88           WB1604         32         60.8         12.9         22         156         81         83         83           Norwest Tandem         32         59.3         11.9         21         157         87         90         93           YSC-215         29         60.5         11.6         24         160         71         76         79           Experimental Lines         45         60.0         11.4         30         158         90         90           LWW17-8185         43         60.1         9.7         24         159         90         92           WA8307         41         58.4         11.8         25         159         89         92           WW18-5080         39         59.7         11.5         27         160         89         92	Pritchett	35	59.9	12.5	24	159	85		
Puma         34         59.7         12.0         26         161         80         82         85           Purl         32         59.8         11.5         24         158         86         89         88           WB1604         32         60.8         12.9         22         156         81         83         83           Norwest Tandem         32         59.3         11.9         21         157         87         90         93           YSC-215         29         60.5         11.6         24         160         71         76         79           Experimental Lines           K8         60.7         12.0         24         160         71         76         79           Experimental Lines           K91-10         45         60.0         11.4         30         158         90         90           LWW17-8185         43         60.1         9.7         24         159         89         92           CRI2190025 CL+         41         58.5         12.0         23         158         90         92           WA8307         1	LCS Drive	35	57.6	11.8	21	156	86	82	80
Purl         32         59.8         11.5         24         158         86         89         88           WB1604         32         60.8         12.9         22         156         81         83         83           Norwest Tandem         32         59.3         11.9         21         157         87         90         93           YSC-215         29         60.5         11.6         24         160         71         76         79           UI Magic CL+         28         60.7         12.0         24         160         71         76         79           Experimental Lines           X61-1         45         60.0         11.4         30         158         90           LWW17-8185         43         60.1         9.7         24         159         90         92           CW81290025 CL+         41         58.5         12.0         23         158         90         92           WA8307         40         57.9         11.5         27         160         89         92           LWW18-5080         39         59.7         11.5         22         159           09PN118-0	Resilience CL+	35	60.0	11.6	25	161	81	83	84
WB1604       32       60.8       12.9       22       156       81       83       83         Norwest Tandem       32       59.3       11.9       21       157       87       90       93         YSC-215       29       60.5       11.6       24       160       71       76       79         Ul Magic CL+       28       60.7       12.0       24       160       71       76       79         Experimental Lines         X61-1       45       60.0       11.4       30       158       90       90       158       90       158       159       158 <t< th=""><td>Puma</td><td>34</td><td>59.7</td><td>12.0</td><td>26</td><td>161</td><td>80</td><td>82</td><td>85</td></t<>	Puma	34	59.7	12.0	26	161	80	82	85
Norwest Tandem         32         59.3         11.9         21         157         87         90         93           YSC-215         29         60.5         11.6         24         160         71         76         79           Experimental Lines           X61-1         45         60.0         11.4         30         158         90         92           LWW17-8185         43         60.1         9.7         24         159         90         92           ORI2190025 CL+         41         58.5         12.0         23         158         90         92           WA8307         40         57.9         11.5         27         160         89         92           LWW18-5080         39         59.7         11.5         22         158         90         92           LWW18-5080         39         59.7         11.5         22         159         89         92         92           LWW18-5080         38         58.5         11.1         25         159         99         92         92         92         92         92         92         92         92         92         92         92	Purl	32	59.8	11.5	24	158	86	89	88
YSC-215       29       60.5       11.6       24       160       71       76       79         Experimental Lines         X61-1       45       60.0       11.4       30       158       90         LWW17-8185       43       60.1       9.7       24       159         OR12190025 CL+       41       58.5       12.0       23       158         ARS09X492-6CBW       41       58.4       11.8       25       159       89       92         WA8307       40       57.9       11.5       27       160       89       92         LWW18-5080       39       59.7       11.5       22       158         ARSX09500-17CBW       38       60.7       11.9       22       159         09PN118-02 CL2       38       58.5       11.1       25       159         IDO2008       38       58.8       11.4       27       160         WA8336       38       58.5       11.1       21       159         UIL 17-7706 CL+       37       61.1       11.6       25       159         LWW17-5877       36       60.2       12.2       22       156    <	WB1604	32	60.8	12.9	22	156	81	83	83
Ul Magic CL+       28       60.7       12.0       24       160       71       76       79         Experimental Lines         X61-1       45       60.0       11.4       30       158       90         LWW17-8185       43       60.1       9.7       24       159         ORI2190025 CL+       41       58.5       12.0       23       158         ARS09X492-6CBW       41       58.4       11.8       25       159       89       92         WA8307       40       57.9       11.5       27       160       89       92         LWW18-5080       39       59.7       11.5       22       158         ARSX09500-17CBW       38       60.7       11.9       22       159         OPPN118-02 CL2       38       58.5       11.1       25       159         IDO2008       38       58.8       11.4       27       160         WA8336       38       58.5       11.1       21       159         UIL 17-7706 CL+       37       61.1       11.6       25       159         LWW17-5877       36       60.2       12.2       22       156 </th <td>Norwest Tandem</td> <td>32</td> <td>59.3</td> <td>11.9</td> <td>21</td> <td>157</td> <td>87</td> <td>90</td> <td>93</td>	Norwest Tandem	32	59.3	11.9	21	157	87	90	93
Name	YSC-215	29	60.5	11.6	24	160			
X61-1       45       60.0       11.4       30       158       90         LWW17-8185       43       60.1       9.7       24       159         ORI2190025 CL+       41       58.5       12.0       23       158         ARS09X492-6CBW       41       58.4       11.8       25       159       89       92         WA8307       40       57.9       11.5       27       160       89       92         LWW18-5080       39       59.7       11.5       22       158         ARSX09500-17CBW       38       60.7       11.9       22       159         O9PN118-02 CL2       38       58.5       11.1       25       159         IDO2008       38       58.8       11.4       27       160         WA8336       38       58.5       11.1       21       159         UIL 13-553051A       38       58.5       11.1       21       159         UIL 17-7706 CL+       37       61.1       11.6       25       159         LWW17-5877       36       60.2       12.2       22       156	UI Magic CL+	28	60.7	12.0	24	160	71	76	79
LWW17-8185       43       60.1       9.7       24       159         ORI2190025 CL+       41       58.5       12.0       23       158         ARS09X492-6CBW       41       58.4       11.8       25       159       89       92         WA8307       40       57.9       11.5       27       160       89       92         LWW18-5080       39       59.7       11.5       22       158         ARSX09500-17CBW       38       60.7       11.9       22       159         09PN118-02 CL2       38       58.5       11.1       25       159         IDO2008       38       58.8       11.4       27       160         WA8336       38       55.2       10.5       22       160         UIL 13-553051A       38       58.5       11.1       21       159         UIL 17-7706 CL+       37       61.1       11.6       25       159         LWW17-5877       36       60.2       12.2       22       156	Experimental Lines								
ORI2190025 CL+       41       58.5       12.0       23       158         ARS09X492-6CBW       41       58.4       11.8       25       159       89       92         WA8307       40       57.9       11.5       27       160       89       92         LWW18-5080       39       59.7       11.5       22       158         ARSX09500-17CBW       38       60.7       11.9       22       159         09PN118-02 CL2       38       58.5       11.1       25       159         IDO2008       38       58.8       11.4       27       160         WA8336       38       58.5       11.1       21       159         UIL 13-553051A       38       58.5       11.1       21       159         UIL 17-7706 CL+       37       61.1       11.6       25       159         LWW17-5877       36       60.2       12.2       22       156	X61-1	45	60.0	11.4	30	158	90		
ARS09X492-6CBW       41       58.4       11.8       25       159       89       92         WA8307       40       57.9       11.5       27       160       89       92         LWW18-5080       39       59.7       11.5       22       158         ARSX09500-17CBW       38       60.7       11.9       22       159         09PN118-02 CL2       38       58.5       11.1       25       159         IDO2008       38       58.8       11.4       27       160         WA8336       38       55.2       10.5       22       160         UIL 13-553051A       38       58.5       11.1       21       159         UIL 17-7706 CL+       37       61.1       11.6       25       159         LWW17-5877       36       60.2       12.2       22       156	LWW17-8185	43	60.1	9.7	24	159			
WA8307       40       57.9       11.5       27       160       89       92         LWW18-5080       39       59.7       11.5       22       158         ARSX09500-17CBW       38       60.7       11.9       22       159         09PN118-02 CL2       38       58.5       11.1       25       159         IDO2008       38       58.8       11.4       27       160         WA8336       38       55.2       10.5       22       160         UIL 13-553051A       38       58.5       11.1       21       159         UIL 17-7706 CL+       37       61.1       11.6       25       159         LWW17-5877       36       60.2       12.2       22       156	ORI2190025 CL+	41	58.5	12.0	23	158			
LWW18-5080       39       59.7       11.5       22       158         ARSX09500-17CBW       38       60.7       11.9       22       159         09PN118-02 CL2       38       58.5       11.1       25       159         IDO2008       38       58.8       11.4       27       160         WA8336       38       55.2       10.5       22       160         UIL 13-553051A       38       58.5       11.1       21       159         UIL 17-7706 CL+       37       61.1       11.6       25       159         LWW17-5877       36       60.2       12.2       22       156	ARS09X492-6CBW	41	58.4	11.8	25	159	89	92	
ARSX09500-17CBW       38       60.7       11.9       22       159         09PN118-02 CL2       38       58.5       11.1       25       159         IDO2008       38       58.8       11.4       27       160         WA8336       38       55.2       10.5       22       160         UIL 13-553051A       38       58.5       11.1       21       159         UIL 17-7706 CL+       37       61.1       11.6       25       159         LWW17-5877       36       60.2       12.2       22       156	WA8307	40	57.9	11.5	27	160	89	92	
09PN118-02 CL2       38       58.5       11.1       25       159         IDO2008       38       58.8       11.4       27       160         WA8336       38       55.2       10.5       22       160         UIL 13-553051A       38       58.5       11.1       21       159         UIL 17-7706 CL+       37       61.1       11.6       25       159         LWW17-5877       36       60.2       12.2       22       156	LWW18-5080	39	59.7	11.5	22	158			
IDO2008       38       58.8       11.4       27       160         WA8336       38       55.2       10.5       22       160         UIL 13-553051A       38       58.5       11.1       21       159         UIL 17-7706 CL+       37       61.1       11.6       25       159         LWW17-5877       36       60.2       12.2       22       156	ARSX09500-17CBW	38	60.7	11.9	22	159			
WA8336     38     55.2     10.5     22     160       UIL 13-553051A     38     58.5     11.1     21     159       UIL 17-7706 CL+     37     61.1     11.6     25     159       LWW17-5877     36     60.2     12.2     22     156	09PN118-02 CL2	38	58.5	11.1	25	159			
WA8336     38     55.2     10.5     22     160       UIL 13-553051A     38     58.5     11.1     21     159       UIL 17-7706 CL+     37     61.1     11.6     25     159       LWW17-5877     36     60.2     12.2     22     156	IDO2008	38	58.8	11.4	27	160			
UIL 17-7706 CL+     37     61.1     11.6     25     159       LWW17-5877     36     60.2     12.2     22     156	WA8336	38			22	160			
UIL 17-7706 CL+     37     61.1     11.6     25     159       LWW17-5877     36     60.2     12.2     22     156	UIL 13-553051A	38	58.5	11.1	21	159			
			61.1		25	159			
	LWW17-5877	36	60.2	12.2	22	156			
	WA8335	35	58.5		24	159			

WA8337		35	59.0	10.1	23	159			
UIL 15-028024		35	61.2	11.1	24	162			
OR2160243		35	58.5	11.6	24	160			
ARS14DH1122-26		34	60.9	12.1	24	161			
OR2160264		33	57.8	12.2	24	159			
UIL 13-046145A		30	59.8	10.7	24	158			
	C.V.	7	1.6	3.6	6	1	6	6	9
	LSD	4	1.5	0.7	2	1	5	4	5
	Average	37	59.1	11.3	24	159	87	88	86
	Highest	45	61.9	12.9	30	162	95	99	94
	Lowest	28	55.0	9.7	18	156	71	63	66

_			
Agrono	mic	Int∩rm	ation

Planting Date:	10/8/2020
Harvest Date:	7/31/2021
Seeding Rate (seeds/ft <sup>2</sup> ):	23.75
Previous Crop:	Canola
Spring soil test:	
N (lb/ac) 4-ft sample	168
P <sub>2</sub> O <sub>5</sub> (lb/ac) 1-ft sample	242
S (lb/ac) 2-ft sample	52
pH (top 6 inches)	4.6

Herbicide: Zidua (2oz) was applied on October 20, 2020. Spring herbicides were applied by the cooperator.

## **Trial Notes:**

- 1. The Fairfield nursery was located 5 miles NE of Fairfield, WA.
- 2. The nursery was fertilized prior to seeding at a rate of 110N, 20S, 10CL. No additional fertilizer was applied after spring soil sampling.
- 3. Overall yield was 72% lower than 2020 and test weight was 1.9 lb/bu less.

**Cooperator: Mike Roecks**