2011 WSU Variety Testing SW Spring Wheat Trial, Almira

Variety Name AVERAGE AVERAGE AVERAGE YIELD TEST WT PROTEIN PI	Variety Name *Club Italized				2011			
NA 8131 78 60.4 10.9 100687 76 62.0 10.2 10.2 10.5								PLANT HT
IDO687	Diva		61	63	80	60.6	9.8	37
JD	WA 8131				78	60.4	10.9	32
IDO686	IDO687				76	62.0	10.2	36
MA 8127	JD	57	60	62	75	61.2	10.9	35
WA 8127 71 60.9 10.0 WA 8128 71 61.5 10.8 Louise-G2 71 59.7 10.5 WA 8150 70 61.3 9.9 Eden 52 55 50 69 60.7 10.1 Whit 55 60 57 69 60.9 10.4 WA 8149 69 61.2 9.2 10.4 Louise 55 60 58 68 60.2 10.3 Alturas 50 53 52 68 58.9 10.6 Babe 54 56 52 68 61.5 10.1 IDO644 50 52 49 62 61.0 10.6 Wakanz 50 50 47 61 60.1 11.2 UI-Cataldo 47 49 46 60 59.0 10.3 Nick 53 53 55 54 56 61.7	IDO686				73	60.1	10.0	38
WA 8128 71 61.5 10.8 Louise-G2 71 59.7 10.5 WA 8150 70 61.3 9.9 Eden 52 55 50 69 60.7 10.1 Whit 55 60 57 69 60.9 10.4 WA 8149 69 61.2 9.2 Louise 55 60 58 68 60.2 10.3 Alturas 50 53 52 68 58.9 10.6 Babe 54 56 52 68 61.5 10.1 IDO644 49 52 49 62 61.0 10.6 Wakanz 50 50 47 61 60.1 11.2 UI-Cataldo 47 49 46 60 59.0 10.3 Nick 53 53 54 56 61.7 9.5 WA 8124 43 55 60.7 10.1 WB-1035CL2 49 20 13	IDO671			58	72	60.0	9.7	35
Louise-G2 71 59.7 10.5 WA 8150 70 61.3 9.9 Eden 52 55 50 69 60.7 10.1 Whit 55 60 57 69 60.9 10.4 WA 8149 69 61.2 9.2 Louise 55 60 58 68 60.2 10.3 Alturas 50 53 52 68 58.9 10.6 Babe 54 56 52 68 61.5 10.1 IDO644 7 49 62 61.0 10.6 Wakanz 50 50 47 61 60.1 11.2 UI-Cataldo 47 49 46 60 59.0 10.3 Nick 53 53 54 56 61.7 9.5 WA 8124 43 55 60.7 10.1 WB-1035CL2 43 <	WA 8127				71	60.9	10.0	33
WA 8150 70 61.3 9.9 Eden 52 55 50 69 60.7 10.1 Whit 55 60 57 69 60.9 10.4 WA 8149 69 61.2 9.2 Louise 55 60 58 68 60.2 10.3 Alturas 50 53 52 68 58.9 10.6 Babe 54 56 52 68 61.5 10.1 IDO644 7 49 62 61.0 10.6 Wakanz 50 50 47 61 60.1 11.2 UI-Cataldo 47 49 46 60 59.0 10.3 Nick 53 53 54 56 61.7 9.5 Alpowa 53 55 54 56 61.7 9.5 WA 8124 43 55 60.7 10.1 WB-1035CL2 54 60.4 <td>WA 8128</td> <td></td> <td></td> <td></td> <td>71</td> <td>61.5</td> <td>10.8</td> <td>34</td>	WA 8128				71	61.5	10.8	34
Eden 52 55 50 69 60.7 10.1 Whit 55 60 57 69 60.9 10.4 WA 8149	Louise-G2				71	59.7	10.5	36
Whit 55 60 57 69 60.9 10.4 WA 8149 69 61.2 9.2 Louise 55 60 58 68 60.2 10.3 Alturas 50 53 52 68 58.9 10.6 Babe 54 56 52 68 61.5 10.1 IDO644 56 52 49 62 61.0 10.6 Wakanz 50 50 47 61 60.1 11.2 Ul-Cataldo 47 49 46 60 59.0 10.3 Nick 53 53 53 48 57 60.9 9.9 Alpowa 53 55 54 56 61.7 9.5 WA 8124 43 55 60.7 10.1 WB-1035CL2 54 60.4 11.5 C.V. 19 19 20 13 1.8 4.4	WA 8150				70	61.3	9.9	33
WA 8149 69 61.2 9.2 Louise 55 60 58 68 60.2 10.3 Alturas 50 53 52 68 58.9 10.6 Babe 54 56 52 68 61.5 10.1 IDO644 63 60.4 10.7 10.6 Zak 49 52 49 62 61.0 10.6 Wakanz 50 50 47 61 60.1 11.2 Ul-Cataldo 47 49 46 60 59.0 10.3 Nick 53 53 53 48 57 60.9 9.9 Alpowa 53 55 54 56 61.7 9.5 WA 8124 43 55 60.7 10.1 WB-1035CL2 54 60 60.4 11.5 C.V. 19 19 20 13 1.8 4.4 LSD 3 5 7 9 1.2 0.5 Average 52 </td <td>Eden</td> <td>52</td> <td>55</td> <td>50</td> <td>69</td> <td>60.7</td> <td>10.1</td> <td>33</td>	Eden	52	55	50	69	60.7	10.1	33
Louise 55 60 58 68 60.2 10.3 Alturas 50 53 52 68 58.9 10.6 Babe 54 56 52 68 61.5 10.1 IDO644 63 60.4 10.7 Zak 49 52 49 62 61.0 10.6 Wakanz 50 50 47 61 60.1 11.2 Ul-Cataldo 47 49 46 60 59.0 10.3 Nick 53 53 53 48 57 60.9 9.9 Alpowa 53 55 54 56 61.7 9.5 WA 8124 43 55 60.7 10.1 WB-1035CL2 54 60.4 11.5 C.V. 19 19 20 13 1.8 4.4 LSD 3 5 7 9 1.2 0.5 Average 52 55 53 67 60.6 10.3 Highest <td>Whit</td> <td>55</td> <td>60</td> <td>57</td> <td>69</td> <td>60.9</td> <td>10.4</td> <td>34</td>	Whit	55	60	57	69	60.9	10.4	34
Alturas 50 53 52 68 58.9 10.6 Babe 54 56 52 68 61.5 10.1 IDO644 52 49 62 61.0 10.6 Zak 49 52 49 62 61.0 10.6 Wakanz 50 50 47 61 60.1 11.2 Ul-Cataldo 47 49 46 60 59.0 10.3 Nick 53 53 53 48 57 60.9 9.9 Alpowa 53 55 54 56 61.7 9.5 WA 8124 43 55 60.7 10.1 WB-1035CL2 54 60.4 11.5 C.V. 19 19 20 13 1.8 4.4 LSD 3 5 7 9 1.2 0.5 Average 52 55 53 67 60.6 10.3 Highest 57 61 63 80 62.0 11.5	WA 8149				69	61.2	9.2	35
Babe 54 56 52 68 61.5 10.1 IDO644 63 60.4 10.7 Zak 49 52 49 62 61.0 10.6 Wakanz 50 50 47 61 60.1 11.2 UI-Cataldo 47 49 46 60 59.0 10.3 Nick 53 53 53 48 57 60.9 9.9 Alpowa 53 55 54 56 61.7 9.5 WA 8124 43 55 60.7 10.1 WB-1035CL2 54 60.4 11.5 C.V. 19 19 20 13 1.8 4.4 LSD 3 5 7 9 1.2 0.5 Average 52 55 53 67 60.6 10.3 Highest 57 61 63 80 62.0 11.5	Louise	55	60	58	68	60.2	10.3	37
IDO644 Zak 49 52 49 62 61.0 10.6 Wakanz 50 50 47 61 60.1 11.2 UI-Cataldo 47 49 46 60 59.0 10.3 Nick 53 53 48 57 60.9 9.9 Alpowa 53 55 54 56 61.7 9.5 WA 8124 43 55 60.7 10.1 WB-1035CL2 C.V. 19 19 20 13 1.8 4.4 LSD 3 5 7 9 1.2 0.5 Average 52 55 53 67 60.6 10.3 Highest 57 61 63 80 62.0 11.5	Alturas	50	53	52	68	58.9	10.6	35
Zak 49 52 49 62 61.0 10.6 Wakanz 50 50 47 61 60.1 11.2 Ul-Cataldo 47 49 46 60 59.0 10.3 Nick 53 53 53 48 57 60.9 9.9 Alpowa 53 55 54 56 61.7 9.5 WA 8124 43 55 60.7 10.1 WB-1035CL2 54 60.4 11.5 C.V. 19 19 20 13 1.8 4.4 LSD 3 5 7 9 1.2 0.5 Average 52 55 53 67 60.6 10.3 Highest 57 61 63 80 62.0 11.5	Babe	54	56	52	68	61.5	10.1	35
Wakanz 50 50 47 61 60.1 11.2 Ul-Cataldo 47 49 46 60 59.0 10.3 Nick 53 53 53 48 57 60.9 9.9 Alpowa 53 55 54 56 61.7 9.5 WA 8124 43 55 60.7 10.1 WB-1035CL2 54 60.4 11.5 C.V. 19 19 20 13 1.8 4.4 LSD 3 5 7 9 1.2 0.5 Average 52 55 53 67 60.6 10.3 Highest 57 61 63 80 62.0 11.5	IDO644				63	60.4	10.7	32
Ul-Cataldo 47 49 46 60 59.0 10.3 Nick 53 53 53 48 57 60.9 9.9 Alpowa 53 55 54 56 61.7 9.5 WA 8124 43 55 60.7 10.1 WB-1035CL2 54 60.4 11.5 C.V. 19 19 20 13 1.8 4.4 LSD 3 5 7 9 1.2 0.5 Average 52 55 53 67 60.6 10.3 Highest 57 61 63 80 62.0 11.5	Zak	49	52	49	62	61.0	10.6	34
Nick 53 53 48 57 60.9 9.9 Alpowa 53 55 54 56 61.7 9.5 WA 8124 43 55 60.7 10.1 WB-1035CL2 C.V. 19 19 20 13 1.8 4.4 LSD 3 5 7 9 1.2 0.5 Average 52 55 53 67 60.6 10.3 Highest 57 61 63 80 62.0 11.5	Wakanz	50	50	47	61	60.1	11.2	29
Alpowa 53 55 54 56 61.7 9.5 WA 8124 43 55 60.7 10.1 WB-1035CL2 C.V. 19 19 20 13 1.8 4.4 LSD 3 5 7 9 1.2 0.5 Average 52 55 53 67 60.6 10.3 Highest 57 61 63 80 62.0 11.5	UI-Cataldo	47	49	46	60	59.0	10.3	34
WA 8124 43 55 60.7 10.1 WB-1035CL2 54 60.4 11.5 C.V. 19 19 20 13 1.8 4.4 LSD 3 5 7 9 1.2 0.5 Average 52 55 53 67 60.6 10.3 Highest 57 61 63 80 62.0 11.5	Nick	53	53	48	57	60.9	9.9	33
WB-1035CL2 54 60.4 11.5 C.V. 19 19 20 13 1.8 4.4 LSD 3 5 7 9 1.2 0.5 Average 52 55 53 67 60.6 10.3 Highest 57 61 63 80 62.0 11.5	Alpowa	53	55	54	56	61.7	9.5	32
C.V. 19 19 20 13 1.8 4.4 LSD 3 5 7 9 1.2 0.5 Average 52 55 53 67 60.6 10.3 Highest 57 61 63 80 62.0 11.5	WA 8124			43	55	60.7	10.1	34
LSD 3 5 7 9 1.2 0.5 Average 52 55 53 67 60.6 10.3 Highest 57 61 63 80 62.0 11.5	WB-1035CL2				54	60.4	11.5	32
Average 52 55 53 67 60.6 10.3 Highest 57 61 63 80 62.0 11.5	C.V.	19	19	20	13	1.8	4.4	7
Highest 57 61 63 80 62.0 11.5	LSD	3	5	7	9		0.5	5
-	Average	52	55	53	67	60.6	10.3	34
Lowest 47 49 43 54 58.9 9.2	Highest	57	61	63	80	62.0	11.5	38
	Lowest	47	49	43	54	58.9	9.2	29

Almira Soft White Spring Wheat – Preliminary Data

- 1. Grain yield in the Almira soft white spring wheat trial averaged 67 bushels/acre 15 bushels/acre more than the 5-year average. The Almira nursery was located about ten miles north of Almira, WA (Dan McKay, cooperator).
- 2. This nursery was seeded on 22 April, 2011 following winter wheat. Seed was placed at a 80#/acre seeding rate using a double-disk plot drill set on 6-inch spacing. Base fertilizer was 65 #N/acre applied at seeding. Seeding was late but emergence was good.
- 3. Yields ranged from 54 bu/acre to 80 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 9 of the 24 entries are in this group. Diva was the highest yielding variety in this trial and JD was highest yielding across 5 years of results at this location. Stripe rust was a factor in this trial and no fungicide was applied. There appears to be a 20% or more effect on yield by stripe rust for susceptible entries. The nearest neighbor analyses of yield had a 178% relative precision compared to a RCBD.
- 4. Test weights were good and averaged 60.6 lb/bu and ranged from 58.9 to 62.0 lb/bu. Grain protein was good and averaged 10.3% with a range of 9.2 to 11.5/%. The average plant height was 34 inches with no lodging.