

## 2020 Western Plains Dryland Summary, Three-Year Data

Syngenta Commercial Variety Wheat Performance Test, 2018-2020

Variety	3-Yr Combined (2018-2020)		2-Yr Combined (2019-2020)		Combined (2020)		Julesburg, CO	Yuma, CO	Colby, KS	Goodland, KS	Hugoton, KS	Ingalls, KS	Scott City, KS
	Yield Bu/A	TWT Lb/Bu	Yield Bu/A	TWT Lb/Bu	Yield Bu/A	TWT Lb/Bu	Yield Bu/A	Yield Bu/A	Yield Bu/A	Yield Bu/A	Yield Bu/A	Yield Bu/A	Yield Bu/A
Hard Winter Wheat													
<b>SY Wolverine</b>	<b>67.6</b>	<b>60</b>	<b>71.2</b>	<b>60</b>	<b>59.7</b>	<b>58</b>	63.1	63.3	33.5	68.7	<b>64.3</b>	<b>76.1</b>	<b>48.8</b>
<b>SY Wolf</b>	64.4	58	67.6	58	<b>57.3</b>	56	59.9	61.7	35.1	61.4	58.8	<b>77.0</b>	<b>47.3</b>
<b>SY Sunrise</b>	63.8	<b>59</b>	67.4	<b>59</b>	<b>57.9</b>	<b>57</b>	62.6	65.1	33.6	65.3	55.1	<b>74.2</b>	<b>49.7</b>
<b>SY Rugged</b>	62.8	59	65.6	58	53.8	56	61.2	63.3	31.9	64.1	44.4	66.7	44.7
<b>SY Monument</b>	62.1	58	65.1	57	53.4	55	58.8	63.8	27.4	56.0	<b>61.8</b>	62.3	44.1
<b>SY Grit</b>	62.1	58	66.6	58	50.8	55	58.0	65.8	25.9	61.0	56.0	49.9	39.0
<b>SY Legend CL<sup>2</sup></b>	61.7	<b>59</b>	67.2	<b>59</b>	55.8	<b>57</b>	64.9	62.4	35.4	60.4	<b>61.9</b>	62.3	43.4
<b>Spur</b>	59.9	56	63.4	56	53.5	54	59.0	67.7	30.3	63.8	52.8	68.5	32.7
<b>SY 517 CL<sup>2</sup></b>	59.4	<b>60</b>	62.0	<b>60</b>	49.6	<b>58</b>	56.0	57.7	31.8	48.5	51.7	57.8	43.9
<b>AP503 CL<sup>2</sup></b>	57.9	<b>60</b>	61.1	<b>59</b>	50.2	<b>57</b>	51.1	56.0	28.1	54.5	49.7	67.5	44.2
<b>AP18 AX</b>			<b>72.2</b>	58	<b>58.4</b>	55	59.5	68.4	36.0	68.7	<b>62.5</b>	60.3	<b>53.6</b>
Langin	<b>67.0</b>	59	<b>72.6</b>	<b>59</b>	<b>57.4</b>	<b>57</b>	65.0	67.8	33.7	<b>72.0</b>	<b>68.6</b>	55.7	39.4
BYRD	<b>66.1</b>	59	<b>69.9</b>	<b>59</b>	56.1	<b>57</b>	61.2	58.1	31.4	62.7	<b>69.5</b>	65.5	44.6
Tatanka	<b>65.5</b>	<b>60</b>	<b>68.4</b>	<b>59</b>	<b>58.2</b>	<b>57</b>	60.6	66.2	35.0	65.2	54.9	<b>79.5</b>	<b>45.9</b>
WB-Grainfield	61.9	<b>59</b>	66.7	<b>59</b>	55.4	<b>58</b>	62.6	69.3	33.6	60.7	56.0	59.8	<b>45.7</b>
T-158	61.9	<b>60</b>	64.8	<b>60</b>	56.2	<b>59</b>	65.2	69.2	34.8	64.9	53.8	64.5	40.9
TAM 114	60.7	<b>60</b>	63.7	<b>60</b>	51.8	<b>58</b>	59.0	59.4	29.4	61.8	50.7	61.0	41.5
Whistler			<b>71.7</b>	57	56.7	54	53.0	60.2	29.0	59.7	<b>72.5</b>	<b>76.8</b>	45.3
Canvas			<b>71.0</b>	<b>59</b>	<b>60.3</b>	<b>57</b>	60.0	62.1	32.3	<b>71.4</b>	<b>64.8</b>	<b>77.1</b>	<b>54.3</b>
Byrd CL+			<b>68.1</b>	58	51.7	56	59.3	61.4	33.9	59.0	55.5	52.5	40.3
WB4418			65.4	58	57.0	56	57.5	68.7	31.7	65.8	<b>62.2</b>	69.1	44.2
KS Dallas					<b>62.1</b>	<b>57</b>	<b>70.5</b>	<b>76.6</b>	<b>36.7</b>	<b>76.3</b>	58.3	67.7	<b>48.7</b>
WB4595					<b>61.0</b>	<b>58</b>	63.3	66.7	32.0	66.8	<b>62.8</b>	<b>81.7</b>	<b>53.5</b>
Guardian					<b>59.4</b>	<b>58</b>	60.4	64.2	<b>36.8</b>	<b>70.3</b>	61.1	<b>72.5</b>	<b>50.8</b>
LCS Valiant					<b>58.5</b>	<b>57</b>	<b>67.0</b>	<b>73.3</b>	<b>37.8</b>	<b>77.0</b>	56.4	53.3	44.8
KS Western Star					56.4	<b>59</b>	59.7	66.3	<b>42.2</b>	60.5	59.8	61.4	45.0
WB4792					55.0	55	50.7	59.2	34.7	63.2	60.6	<b>73.7</b>	43.4
Crescent AX					55.0	<b>57</b>	57.8	64.5	30.6	57.2	<b>63.4</b>	68.3	42.8
Fortify SF					53.8	<b>58</b>	56.7	57.7	34.0	61.9	<b>62.8</b>	58.9	44.3
Mean General	62.8	59.0	67.4	58.6	56.1	56.8	60.7	65.0	33.7	63.5	58.7	65.7	45.6
LSD General (5%) EE	3.2	0.9	4.6	1.2	5.0	2.0	5.0	5.3	5.8	7.6	10.8	9.3	8.9
CV (Effective)	7.4	2.2	7.4	2.6	8.3	3.3	5.1	5.1	10.5	7.4	11.3	8.7	9.7

Boldfaced numbers are within confidence interval at specific locations and combined years of yield data.

Locations

2018 — Colby, Hugoton (dry), Scott City, and WaKeeney, KS; Otis and Yuma, CO

2019 — Colby, Goodland, and WaKeeney, KS; Crook and Yuma, CO

2020 — Julesburg and Yuma, CO; Colby, Goodland, Hugoton, Ingalls, and Scott City, KS