

Down the Row

SEPTEMBER 2023



With Good Things
To Know & Grow

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WHEAT AVAILABILITY

The availability of wheat varieties is dynamic, and orders have depleted a number of varieties to "sold out" status. There are varieties still available, but could be gone soon. Please reach out to your sales rep or one of the PSF offices to get the latest. Here are a few varieties still available...as of 9/1/2023.

| Variety | Status | Variety | Status |
|-----------|---------|------------|--------|
| KS Ahearn | Fair | AG Radical | Good |
| WB4269 | Limited | WB4401 | Good |
| WB4222 | Limited | WB4523 | Fair |

CUSTOM WHEAT CLEANING & TREATING

Wheat cleaning and treating services will commence on **Monday, September 11, 2023**. If interested in these services, please call your respective office to get your name on the list. The list is growing, so don't wait!

GROWING DEGREE UNITS (GDU)

One sure way to determine the stage of crop development, especially in the corn crop is by tracking Growing Degree Units or GDUs. Corn hybrids have GDU ratings to Silk, as well as Black Layer or Husk Death to determine Relative Maturity. Since those are fixed for each hybrid, the accumulation of GDUs can provide an indication how quickly the hybrid will mature. The equation is: $((\text{High Temp} + \text{Low Temp})/2) - 50$. Some will cap the high temp at 86° F, (I prefer 90 in the southwest) as the plant halts progress over that. The low temp is 50° F for the same reason. See chart below for comparison.

Tracking Growing Degree Units (Cumulative) APR 16, 2023 - AUG 29, 2023

| Listed in Order of Highest to Lowest GDU Accumulation in 2023 | 2023 | Dep. from Normal | 2022 | Dep. from Normal | 2021 | Dep. from Normal | Normal |
|---|------|------------------|------|------------------|------|------------------|--------|
| Salina, KS | 3245 | 181 | 3260 | 196 | 3113 | 49 | 3064 |
| Enid, OK | 3209 | 36 | 3462 | 289 | 3070 | (103) | 3173 |
| Chapman, KS | 3137 | 192 | 3148 | 203 | 2987 | 42 | 2945 |
| El Dorado, KS | 3109 | 99 | 3150 | 140 | 3037 | 27 | 3010 |
| Concordia, KS | 3049 | 184 | 3073 | 208 | 2852 | (13) | 2865 |
| Great Bend, KS | 3045 | 137 | 3130 | 222 | 3050 | 142 | 2908 |
| Bolivar, MO | 3023 | 127 | 3220 | 324 | 3051 | 155 | 2896 |
| Beatrice, NE | 2894 | 45 | 2969 | 120 | 2870 | 21 | 2849 |
| Atlantic, IA | 2881 | 285 | 2980 | 384 | 2956 | 360 | 2596 |
| Sioux City, IA | 2785 | 219 | 2765 | 199 | 2779 | 213 | 2566 |
| Norfolk, NE | 2708 | 142 | 2706 | 140 | 2729 | 163 | 2566 |
| Colby, KS | 2637 | 35 | 2827 | 225 | 2742 | 140 | 2602 |
| Sioux Falls, SD | 2558 | 149 | 2560 | 151 | 2521 | 112 | 2409 |

CALCULATING HARVEST YIELD

There is more than one way to calculate yield, but the following method has been used by seed industry professionals for many years. You can use it too.

YIELD = (100 – moisture) x (lb of grain harvested) x (factor) ÷ (row length in feet) ÷ (row width in inches x number of rows).

Example: You harvest 4,500 lb of 17% Corn from 8 rows at 30" spacing, and 1,000' row length. Follow the equation and you will see the yield is 171.91 bu./acre.

The "Factors" are as follows:

CORN: 110.465 SOYBEAN: 100.138
MILO: 108.538 WHEAT: 100.716

PRODUCT SPOTLIGHT: PS1177 GBL & PS1179 A31

The same high yielding genetics can be found in these three trait versions: PS1177 GBL (above ground protection – requires 20% struct. Refuge), PS1178 GL (dual mode herbicide tolerance – works as a refuge hybrid), and the new PS1179 A31 (has 5% refuge in the bag). All three produce high yields and flex ears.

Maturity (RM): 111 Days
Yield Potential: Excellent
Drought Tolerance: Excellent (Artesian®)
Plant Height/EarType: Med. Tall/Semi-Flex
Test Weight: Average/Good
Drydown for RM: Excellent for RM
Early Plant Vigor: Very Good
Late Season Intactness: Good
Corn After Corn: Average/Good
Gray Leaf Spot Resistance: Excellent
Goss's Wilt Resistance: Excellent
Northern Corn Leaf Blight: Excellent



Don't hesitate to reach out with your questions. We thank YOU for your business!