



high performance wheat

SUPERIOR WHEAT VARIETIES FOR THE AMERICAN FARMER

2021-2022 Product Guide



WELCOME TO AGRIMAXX WHEAT

The Home of High Performance Wheat and the 100 Bushel Club

AgriMAXX Wheat experienced exceptional demand and record sales last year. Thank you for the confidence you place in us by choosing AgriMAXX High Performance Wheat for your farm. These superior varieties are making wheat growers very happy.

We are so excited about the **new 500 series** coming into the market for you. Check out the **new Heavyweight™ and Defender™ varieties!** You will want to plant more wheat! Best wishes on a great wheat growing season.



Warm Regards,

Dale

NEW FOR 2021-2022



Want enhanced disease protection and top yield potential?

Plant an AgriMAXX Defender™ variety! Our Defender™ varieties are developed for superior disease resistance in combination with elite agronomics. Protect your yields and profitability with an AgriMAXX Defender™!



Want heavy test weight?

Plant an AgriMAXX Heavyweight™ variety! Our Heavyweight™ varieties are developed for superior, industry leading test weights capable of 65#. Maximize your grain quality and marketability with an AgriMAXX Heavyweight™!

THE WHEAT SPECIALISTS

The largest independent,
family-owned wheat company

At AgriMAXX Wheat Company, it starts and ends with High Performance Wheat. This is our passion and specialty! Our goal is when growers think of wheat, they think of AgriMAXX.

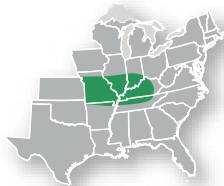
Our innovation in wheat is at an all-time high and we are experiencing incredible genetic gains in our R&D program. This is so exciting to see, especially with attractive wheat prices! With our **new Heavyweight™ series and Defender™ series**, growers are able to experience more value and profitability in their wheat production. This is an important step forward in wheat performance!

As always, as the **Home of the 100 Bushel Club, 125 Bushel Club and 150 Bushel Club, our varieties are set for maximum yield potential.** These elite clubs of wheat growers have fields averaging over 100, 125 and targeting 150 bushels/acre. We are welcoming a record number of growers into these clubs in 2021! Many customers have shared videos of their yields in the 140s, 150s, 160s and higher! Congrats! We enjoy working with so many great growers who are breaking yield barriers with our High Performance Wheat.



SOFT RED WINTER WHEAT

ULTRA EARLY AgriMAXX 490



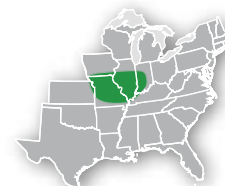
- Excellent test weight
- Easy to cut & double crop with light straw
- Lead off variety for every double crop farmer
- Ultra early + yield + test weight = loyal following

AgriMAXX 490 is our hall of fame ultra early variety that is excellent for double crop areas. 490 will be ready to harvest 5 days earlier, allowing you to plant soybeans sooner and capture higher double crop yields. 490 dries down quickly and has fine straw, which makes no-tilling soybeans behind the combine work great. The grain quality is top notch as well. Both farmers and mills love the heavy test weight of 490, as we have seen many scale tickets above 64#!

Maturity	Ultra Early
Head Type	Bearded
Height	Medium Tall
Test Weight	10
Head Scab	7
Stripe Rust	6



ULTRA EARLY AgriMAXX 500



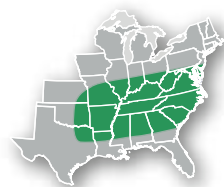
- Ultra early for double croppers
- Impressive tillering capabilities
- Fine straw that threshes easily
- Good scab resistance
- Consider a plant growth regulator in high fertility environments

This ultra early variety is a day earlier than 490, allowing growers to capture more time for double crop soybeans. Yields have been impressive for 500 at this maturity and it gets its yield from a high head count. Its impressive tillering ability helps growers in late planting situations. 500 is a unique looking variety that is shorter and has fine straw that makes it easy to plant double crop soybeans. For growers looking for the earliest variety on the market, 500 will be a nice choice for their operation.

Maturity	Ultra Early
Head Type	Awnletted
Height	Medium Short
Test Weight	7
Head Scab	7
Stripe Rust	7



VERY EARLY AgriMAXX 492



- Excellent test weight
- Joints early, shows early nitrogen demand need
- Good for late planting
- Tillers well
- Fungicide at bloom recommended
- Early maturity in Southeast

AgriMAXX 492 is a very early variety that will be ready for harvest a few days after 490. 492 carries top-of-the-line test weight AND packs a yield punch for a great start to harvest. During rainy and delayed harvests, we like its test weight resiliency. 492 tillers well and is a good variety for late plantings, which helps mitigate freeze risk. Our data has shown that 492 provides a high ROI for a fungicide application at bloom.

Maturity	Very Early
Head Type	Bearded
Height	Medium
Test Weight	10
Head Scab	5
Stripe Rust	9



EARLY AgriMAXX 502



- Incredible yield
- Early maturity in North & Mid Atlantic, but medium in Southeast
- Responds to fungicide at bloom
- Very good foliar disease resistance
- Resistant to Hessian fly

AgriMAXX 502 is an Eastern US standout variety with tons of yield. 502 has dominated our eastern and northern trials and has taken top yield honors in our eastern production fields. This variety tillers well and gets its yield from high head counts. 502 works well across most soils and can really perform in high yield environments. It has racehorse abilities to reach top-end yields when pushed with fertility and fungicides. It's a winner at the combine!

Maturity	Early
Head Type	Bearded
Height	Medium
Test Weight	7
Head Scab	6
Stripe Rust	8



SOFT RED WINTER WHEAT

MEDIUM EARLY AgriMAXX 473



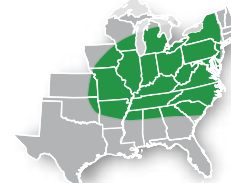
- Dominant yielder & good test weight
- Head scab resistant for added security
- Excellent foliar disease health
- Workhorse & racehorse combination
- Resistant to multiple forms of Hessian fly

AgriMAXX 473 is a variety that everyone wants to show off to their neighbors and friends. It is a highly attractive, impressive looking variety. 473 carries excellent defensive scores against head scab, stripe rust, leaf rust and others. This variety has incredible floret fertility... it's not uncommon to see 5 berries in a spikelet. This allows 473 to beef up in high management programs and chase top end yield as well. We recommend 473 be planted at higher populations and managed with an early shot of nitrogen.

Maturity	Medium Early
Head Type	Bearded
Height	Medium
Test Weight	7
Head Scab	9
Stripe Rust	10



MEDIUM EARLY AgriMAXX 513



NEW HEAVYWEIGHT™ + DEFENDER™

- New & improved version of 413 & 444
- Superior test weight... +5# vs 413
- Works across variety of soils
- Good choice behind corn & soybeans
- Good choice for 15" rows

AgriMAXX 513 is an elite, medium early variety that is a stud. This 5-star variety holds a distinct honor of being both a DEFENDER™ and HEAVYWEIGHT™! Maximum plant health. Maximum test weight. Maximum yields. As a DEFENDER, 513 has the best overall disease package and is a great fit for standard management programs. As a HEAVYWEIGHT, growers will love the superior test weight and resiliency through harvest. We also like how it tillers well, joints late, performs across all soil types and finishes with an earlier harvest. In high management programs, 513 has contest winning yields! 513 is simply a must plant on every farm.

Maturity	Medium Early
Head Type	Bearded
Height	Medium
Test Weight	10+
Head Scab	9
Stripe Rust	9



MEDIUM EARLY AgriMAXX 503



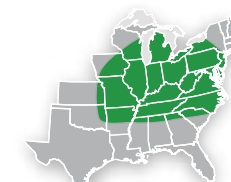
- New & improved version of 463
- Excellent test weight & head scab resistance
- Excellent top-end yielder
- Palisade recommended in high fertility
- Place in all soils, but strong in lighter soils and/or lower fertility
- Good choice behind corn & works in 15" rows

This medium early line is a big time variety. Growers can expect elite yields, excellent head scab resistance and strong foliar disease scores with 503. Versus 463, 503 brings higher yields, 2# heavier test weight, less freeze risk and more stress tolerance throughout the season. Improved stress tolerance allows 503 to work across more soil types. 503 is the star-of-the-show and a show-off at harvest, producing 20 spikelet heads... you'll want to show it off, too!

Maturity	Medium Early
Head Type	Smooth
Height	Medium Tall
Test Weight	9
Head Scab	9
Stripe Rust	8



MEDIUM AgriMAXX 505



HEAVYWEIGHT™

- Superior test weight, ranked #1
- Elite top-end yielder
- Stiff straw for high fertility environments & higher populations
- Very good head scab resistance, good behind corn
- Widespread soil placement

AgriMAXX 505 is a HEAVYWEIGHT™ variety that showcases #1 test weight AND #1 yield finishes...a rarity and a must plant! Test weights in the 63-65# range will be a theme with this variety. When we evaluate yield, test weight, head scab, stripe rust and standability, 505 checks all the boxes. 505 can be planted in all soils and we have seen it beef up even more in productive and fertile environments. This leader variety has already become a farmer favorite and will set many new farm records.

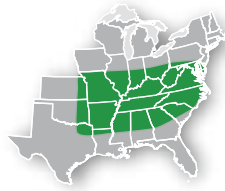
Maturity	Medium
Head Type	Bearded
Height	Medium
Test Weight	10+
Head Scab	8
Stripe Rust	8



SOFT RED WINTER WHEAT

MEDIUM AgriMAXX 514

NEW



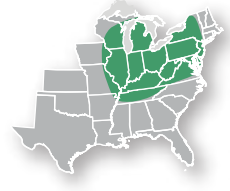
- Top performer in Midwest & South
- Strong tillering ability, good for 15" rows
- Great choice for lighter soils & lower fertility environments
- Palisade recommended in high fertility
- Impressive all season & beauty at harvest

AgriMAXX 514 replaces the Midwest favorite 444 with more yield, better scab and an earlier harvest. We accelerated this variety as it ranked #1 in our MO/IL regional summaries and had plot winning yields moving south in the southern regions. 514 is an aggressive tillering variety that works best in lower organic matter soils, low fertility environments, late plantings and areas where growers need more heads per sq/yd. Good plant health and head scab scores make it a beauty.

Maturity	Medium
Head Type	Bearded
Height	Medium
Test Weight	7
Head Scab	8
Stripe Rust	9



MEDIUM AgriMAXX 454



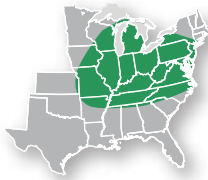
- Extreme top-end yield potential
- Good head scab scores & test weight
- Responds great to high management
- Excellent on all soils
- Fungicides highly recommended

AgriMAXX 454 is all about yield for high management growers. 454 has been a lead yielder for several years and handles nearly every soil type for dependability. We've seen 454 perform great when planted both early and late. This variety tillers well and gets its yield from high head counts and large tiller heads. We are impressed at the straw strength of 454 and is a good variety for high nitrogen rates. The most important tip when raising 454: apply multiple fungicides... it will become a yield monster.

Maturity	Medium
Head Type	Bearded
Height	Medium
Test Weight	8
Head Scab	7
Stripe Rust	4



MEDIUM AgriMAXX 485



- Top performer for yield & test weight
- Excellent head scab resistance
- Excellent standability
- Late jointing variety. Great for early planting.
- Late flowering to spread out risk
- Quick dry down

AgriMAXX 485 is a dependable, go-to variety that offers unique benefits to many growers. Want to plant early? 485 is your variety. It performs great when planted on the early side. This variety joints late and heads late to avoid freeze injury but explodes into maturity and finishes as a medium for a timely harvest. With very good scab resistance and heavy test weight, 485 is a good choice to plant behind corn. 485 is a stable performer across a wide range of soil types for dependability. A shorter plant with very good standability, 485 produces a 'sea of heads' and has a very attractive finish.

Maturity	Medium
Head Type	Smooth
Height	Medium Short
Test Weight	9
Head Scab	9
Stripe Rust	9



MEDIUM/ MED. LATE AgriMAXX 496



- Great choice for high management programs
- Excellent choice for early plantings
- Attractive plant finish
- Shorter plant with lower straw production
- Widespread placement

AgriMAXX 496 is a strong variety with good head scab resistance. Growers that will like 496 as it performs well in high management programs with its shorter plant stature, straw strength, nitrogen response and fungicide response. 496 is a good choice for growers planting early as 496 will green up slowly with a late joint date. The northern market has proven to be where 496 has the best performance in our HPW trials.

Maturity	Medium/ ML
Head Type	Bearded
Height	Medium Short
Test Weight	7
Head Scab	7
Stripe Rust	10



SOFT RED WINTER WHEAT

MEDIUM/ MED. LATE AgriMAXX 516

NEW



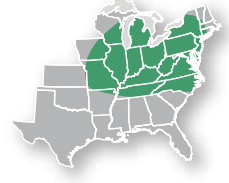
- Big time yielder in North & East
- Yield, yield & yield
- Adapted for all environments and soils
- Good choice if wanting to lessen freeze risk
- Strong overall agronomics & plant health

AgriMAXX 516 brings a new level of yield potential for wheat growers. This powerhouse variety replaces 446 and is a leader in the northern and eastern markets. Packed with excellent agronomics and eye appeal, it's easy to see its yield potential. 516 has good head scab scores and fits all soils and management programs. 516 starts bragging before the combine shows up, and you'll be bragging after you cut it!

Maturity	Medium/ ML
Head Type	Bearded
Height	Medium
Test Weight	7
Head Scab	9
Stripe Rust	8



MEDIUM LATE AgriMAXX 498



- Strongest in northern zones
- Good choice for growers wanting straw
- Responds to fungicides at bloom
- Excellent milling & baking quality
- Palisade recommended in high fertility

AgriMAXX 498 replaced our popular 438. Visually, they look similar in the field, but 498 has better yield, standability, scab and test weight. 498 tillers well and has excellent winter hardiness for northern winters. It's a fuller season maturity that has a niche for growers wanting a longer season variety. If you are wanting straw, 498 is a good choice as it tillers well and is a taller variety. Our research has shown that 498 responds to fungicides at bloom for growers managing for top-end yields.

Maturity	Medium Late
Head Type	Smooth
Height	Medium Tall
Test Weight	6
Head Scab	6
Stripe Rust	8



Also Available:

EARLY
AgriMAXX 463

MEDIUM
AgriMAXX 415

MEDIUM
AgriMAXX 475

Advanced Experimentals:

Exp. 2002

Exp. 2009

Exp. 2026

Exp. 2105

HARD RED WINTER WHEAT

EARLY AM Eastwood



- Good head scab scores
- Great yield vs early maturity varieties
- Good test weight & protein
- Medium coleoptile, 2.5 inches
- Good responder to high management

AM Eastwood is a high yielding, early variety that works well throughout the Central Plains with its best performance coming from central Kansas. It is adapted and yields well in both irrigated and dryland acres. Eastwood has good head scab scores for growers wanting to plant behind corn. If planting late, Eastwood improves with increased population. It joints early in spring and does well with early nitrogen programs. This variety can be pushed with management and has a strong ROI with fungicides. Eastwood is a shorter plant with stiff straw that threshes easily. If you're looking for early, Eastwood is a great choice.

Maturity	Early
Head Type	Bearded
Height	Short
Test Weight	7
Head Scab	6
Stripe Rust	5



MEDIUM AM Cartwright



DEFENDER™

- DEFENDER™ with top rated disease resistance
- Excellent against stripe & leaf rust
- Very high top-end yield potential
- Good planted early and late
- Excellent milling and baking quality

AM Cartwright is a medium maturity, high yielding variety for the Central Plains. This variety has one of the best leaf disease packages in the industry...making it a DEFENDER™ variety. Our data shows that in a non-fungicide program, Cartwright is one of the best you can plant. Cartwright holds a clean flag leaf all season with great scores against stripe rust and leaf rust. This variety also responds and stands well in high management programs, showcasing plot winning 100 bu/ac finishes as well! Cartwright carries Hessian fly resistance, moderate tolerance to acid soils, strong fall vigor and season-long attractiveness from elite plant health, a rich green color and big heads at harvest. This is a must plant variety.

Maturity	Medium
Head Type	Bearded
Height	Medium Short
Test Weight	7
Head Scab	5
Stripe Rust	9



SOFT WHITE WINTER WHEAT

MEDIUM Exp. 2050W



- The best variety for Michigan
- Industry leading yield
- Industry leading head scab resistance
- Place on all soils
- Stiff straw for productive environments

Maturity	Medium
Head Type	Awnletted
Height	Medium Short
Test Weight	8
Head Scab	8
Stripe Rust	5



MEDIUM Exp. 2055W



- Excellent yielder
- Great agronomics overall
- Tillers well & has a big, impressive head
- Good choice for average soils

Maturity	Medium Late
Head Type	Awnletted
Height	Medium Tall
Test Weight	7
Head Scab	6
Stripe Rust	7



PLANT RATINGS

AGRIMAXX VARIETY	Maturity	Head Type	Plant Height	Double Crop Suitability	Winter Hardiness	Straw Yield	Test Weight	Lodging	Yield Potential	Head Scab	Leaf Rust	Stripe Rust	Septoria Leaf Blotch	Septoria Glume Blotch	Powdery Mildew	Hessian Fly Resistance	Spring Freeze Tolerance Risk
490	UE	B	MT	10	8	4	10	7	7	7	8	6	8	8	7	-	3
500	UE	AL	MS	10	8	4	7	7	7	7	8	7	8	8	7	-	3
492	VE	B	M	10	5	5	10	8	9	5	10	9	6	8	9	-	4
502	E	B	M	10	9	6	7	9	10	6	7	8	7	8	8	BCDOL	5
463	E	S	MS	10	8	3	5	10	10	10	8	9	8	8	7	-	3
473	ME	B	M	9	6	7	7	9	10	9	9	10	8	5	9	BDL	5
503	ME	S	MT	9	9	7	9	7	10	9	8	8	7	9	5	L	8
NEW 513	ME	B	M	9	8	8	10+	8	10	9	8	9	8	8	8	-	8
454	M	B	M	9	9	8	8	10	10	7	5	4	5	8	4	-	9
NEW 514	M	B	M	7	8	8	7	6	10	8	7	9	8	7	7	-	6
415	M	B	M	9	7	6	10	10	8	5	7	10	8	8	7	-	7
475	M	B	MS	8	8	5	7	10	9	8	7	8	5	5	5	BL	5
485	M	S	MS	8	9	4	9	9	10	9	5	9	8	6	7	-	9
505	M	B	M	8	8	5	10+	9	10	8	6	8	6	8	7	-	9
496	M/ML	B	MS	7	9	5	7	9	9	7	5	10	8	7	7	-	8
NEW 516	M/ML	B	M	7	9	7	7	8	10	9	8	8	8	7	7	-	8
498	ML	S	MT	6	9	9	6	7	10	6	5	8	8	8	5	-	8
Eastwood	E	B	S	10	9	3	7	8	8	6	4	5	8	8	5	-	5
Cartwright	M	B	MS	8	8	5	7	8	10	5	9	9	7	8	8	GP	7
Exp. 2050W	M	AL	MS	4	9	4	8	8	10	8	5	5	6	7	10	-	N/A
Exp. 2055W	ML	AL	MT	4	9	8	7	7	9	6	10	7	7	7	6	-	N/A

Ratings Scale: 10 = Excellent; 5 = Average; 1 = Poor
Maturity Scale: UE= Ultra Early; VE = Very Early; E = Early; ME = Medium Early; M = Medium; ML = Medium Late
Plant Height Scale: S = Short; MS = Medium Short; M= Medium; MT = Medium Tall; T = Tall
Head Type Scale: B = Bearded; S = Smooth; AL = Awnletted

If a variety is Hessian Fly resistant to a certain biotype, the biotype is listed in the chart.
Hessian Fly Biotypes: B, C, D, O, L, GP

The ratings, information and recommendations are taken from breeder, university, company trials and field observations. They are not guarantees as to the results, since those results may vary. No warranties either expressed or implied are intended by this chart.



ELITE YIELDS BEGIN WITH ELITE TREATMENTS



PRIME ST™

BASIC, STANDARD, or ADVANCED

PRIME ST™ is a seed treatment technology specifically designed to increase yield and improve our customer's bottom line profitability. By protecting the plant from early-season diseases and insects,* PRIME ST™ creates a stronger, healthier plant in the field to maintain maximum yield potential. The PRIME ST™ technology also improves seedline germination and enhances root mass for optimum water and nutrient uptake. Not only will PRIME ST protect yield, it helps reduce stickiness and enhances the seed flow for outstanding plantability.

Powered By:



PRIME BASIC

- Multiple fungicide active ingredients
- Protects against *Pythium* (soilborne seedling blight, root rot, damping off)
- Protects against *Rhizoctonia* (seedborne and soilborne seedling blight, root rot, damping off)
- Improves rooting power
- Better stress tolerance

PRIME STANDARD

- All benefits of PRIME Basic + aphid rate insecticide
- Early season *aphid* control (Bird cherry-oat, English grain, and Russian wheat)
- Protects against *Greenbug*
- Protects against *Hessian fly*
- Protects against *Wireworm*
- Improves plant vigor & health

PRIME ADVANCED

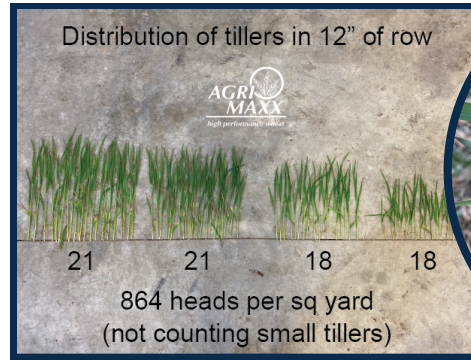
- All benefits of PRIME Standard + nutritional enhancement
- Enhances tillering and promotes more aggressive roots
- Healthier plant for improved stress tolerance and higher yields

AGRONOMICS

Number of Wheat Seeds to Plant Per Square Foot or Per Drill-Row Foot

Row Width (in)	Row Length Needed for 1 sq ft (in)	Seeds/sq ft		
		30	35	40
		Seeds/row ft Needed*		
4	36	10	12	13
6	24	15	18	20
7	20.6	18	20	23
7.5	19.2	19	22	25
8	18	20	23	27
10	14.4	25	29	23
15	9.6	38	44	50
Seeds Per Acre		1.31 mil	1.52 mil	1.74 mil

*If planting time is delayed, increase seeding rates by two to three seeds/sq ft (one to two seeds/row foot) for every two week delay beyond the optimum planting date



Number of Pounds of Wheat Seed Needed, Depending on Seed Size and Seeding Rate

Seeds/lb	Seeds/sq ft*		
	30	35	40
lbs/acre			
10,000	131	152	174
11,000	119	139	158
12,000	109	127	145
13,000	101	117	134
14,000	93	109	124
15,000	87	102	116
16,000	82	95	109

*Based on 90% or Greater Germination



Source: Chad Lee, James Herbek, David Van Sanford, & William Bruening. Comprehensive Guide to Wheat Management in Kentucky

Tillering

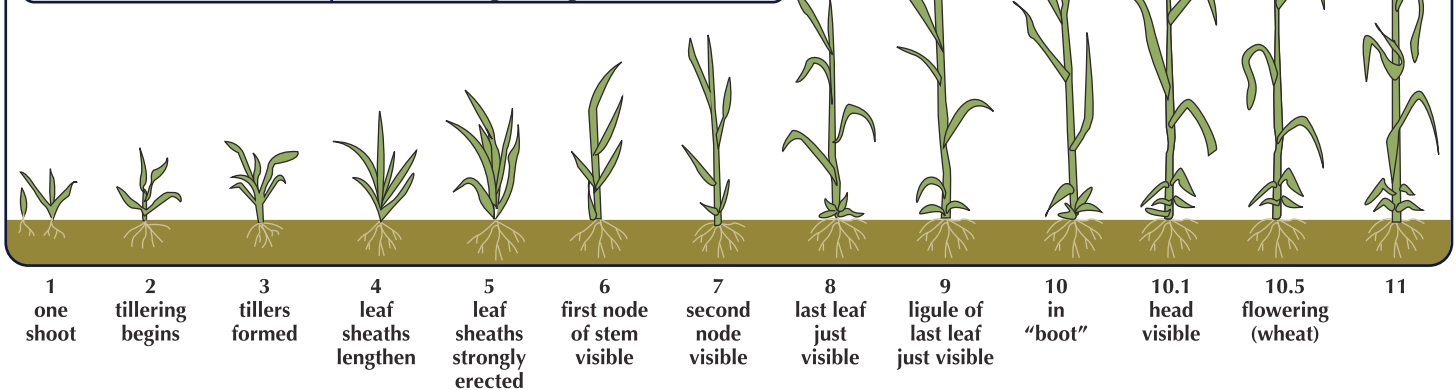
Stem Extension

Heading

Ripening

Key Growth Stages in Wheat for Yield Determination

Critical Yield Component	Determined By:
Tiller and Head Number	Jointing (Feekes 6)
Head Size	Mid to Late Tillering (Feekes 3)
Kernel Number Per Head	Jointing (Feekes 6)
Kernel Size	Beginning at Flag Leaf (Feekes 8) and Continuing Through Grain Fill





high performance wheat

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