New West Genetics

2024 SEED CATALOG

A GLOBAL LEADER IN HEMP SEED GENETICS

NEW WEST GENETICS

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Since 2014, New West Genetics has used traditional breeding, modern genomics, and agronomic expertise to create US and Canadian adapted high-yielding, non-GMO varieties and hybrids with superior agronomic traits to enhance the scalability of hemp production and pave the way for stable, reliable product development.

All of our varieties are novel, proprietary, and trait-enhanced. To continue to supply customers genetically pure and true-to-type seed, the only place to purchase NWG seed within the US is from the company itself. We are available for questions - contact 800.970.1615 or info@newwestgenetics.com.

NEW WEST GENETICS

THE ABOUND FAMILY OF VARIETIES

Top Yielding Certified Seed

The ABOUND family of varieties are dioecious, dual-purpose hemp seed varieties well-bred for commercial production of grain and fiber. These varieties were the top four grain-yielding varieties in the 2021 University of Illinois Hemp Trials. The ABOUND family has been bred over nine years to achieve the most stable, highest-quality hemp genetics for annual cropping.

With well-timed planting and good weed management, varieties yield best on drilled row spacings. Recommended planting rates vary based on row spacing, environment, and production focus. Pounds of seed per acre are adjusted for grain or fiber production to reach a desired final stand of 400,000 plants per acre when drilled for grain and dual-purpose and higher for bast-focused production.

Maximizing yield potential requires favorable environmental conditions and good agronomic management. Compliance with laws ensures a reduced risk product for consumers. NWG does not view compliance as a gray area. We do not release seed or product unless we have validated over multiple seasons that the THC levels are compliant with federal and state law.

Actual yields will vary depending on grower practices.

True Dual-Purpose Varieties: Bred for Ultimate Grower ROI

NEW WEST GENETICS

Agronomic recommendations can be found:
newwestgenetics.com/hemp-agronomy

NWG 2463

Certified in 2020 with a commercial launch in 2022, NWG 2463 is the most dynamic in our dual-purpose ABOUND family. NWG 2463 demonstrated consistently high grain and stalk yields in several years of NWG Field Trials. NWG 2463 was ranked among the highest yielding at Michigan State University and University of Vermont trials in 2022. It's slightly shorter stature relative to the fiber-forward varieties in our portfolio provides improved harvestability. This is an excellent dual-crop variety.

Uses: Grain & Stalk (fiber & hurd)

All specs listed are based on data from 7.5" row spacing.

VARIETY CHARACTERISTICS

Grain Yield Potential:	up to 2,400 lbs/acre
Stalk Yield Potential*:	up to 6,000 lbs/acre
Height*:	6.0-10.5'
Days to flower*:	50-60 days
Days to maturity*:	106-110 days

*Plant height, stalk biomass increases at higher latitude and soil fertility.
*Stalk yield measured after grain head is harvested.
*Flowering dates and days to maturity based on 39-41 degrees latitude trial data and will be influenced by planting date, latitude and heat accumulation.

NEW WEST GENETICS

Yields stated are estimated based on the best and most current data available - Actual yields will vary depending on Grower practices.

NWG 4000

Certified in 2020 with a commercial launch in 2022, NWG 4000 is the shortest of our dual-purpose ABOUND family bred for high grain yield and good stalk yield. NWG 4000 consistently produces the highest grain yield in several years of NWG trials and University trials. It is the earliest maturing variety in the ABOUND family and an excellent choice for growers who place higher value on grain production.

Uses: Grain & stalk (fiber and hurd)

All specs listed are based on data from 7.5" row spacing.

VARIETY CHARACTERISTICS

Grain Yield Potential:	up to 2,600 lbs/acre
Stalk Yield Potential*:	up to 5,000 lbs/acre
Height*:	5.0-7.0'
Days to flower*:	48-58 days
Days to maturity*:	104-108 days

*Plant height, stalk biomass increases at higher latitude and soil fertility.
*Stalk yield measured after grain head is harvested.
*Flowering dates and days to maturity based on 39-41 degrees latitude trial data and will be influenced by planting date, latitude and heat accumulation.

NEW WEST GENETICS

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NWG 4113

Certified in 2020 and commercialized in 2021, NWG 4113 is the second release in our dual-purpose ABOUND family bred for high stalk and grain yields. NWG 4113 as a taller variety provides excellent fiber yields and strong season-long weed control, making it an ideal fiber or dual-crop variety.

Uses: Stalk (fiber& hurd & grain

All specs listed are based on data from 7.5" row spacing.

VARIETY CHARACTERISTICS

Grain Yield Potential:	up to 2,100 lbs/acre
Stalk Yield Potential*:	up to 8,400 lbs/acre
Height*:	6.5-12.0'
Days to flower*:	52-62 days
Days to maturity*:	110-112 days

*Plant height, stalk biomass increases at higher latitude and soil fertility.
*Stalk yield measured after grain head is harvested.
*Flowering dates and days to maturity based on 39-41 degrees latitude trial data and will be influenced by planting date, latitude and heat accumulation.

NEW WEST GENETICS

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NWG 2730

NWG 2730 is the first variety released in our dual-purpose ABOUND family. NWG 2730 has excellent early season vigor, resulting in quick canopy establishment. It has high fiber yields and excellent season-long weed control. It is a great choice for growers looking for a fiber-forward or dual-purpose crop. It has high fiber yields and excellent season-long weed control.

Uses: Stalk (fiber & hurd) & grain

All specs listed are based on data from 7.5" row spacing.

VARIETY CHARACTERISTICS

Grain Yield Potential:	up to 1,900 lbs/acre
Stalk Yield Potential*:	up to 8,400 lbs/acre
Height*:	7.0-12.0'
Days to flower*:	54-64 days
Days to maturity*:	110-112 days

*Plant height, stalk biomass increases at higher latitude and soil fertility.
*Stalk yield measured after grain head is harvested.
*Flowering dates and days to maturity based on 39-41 degrees latitude trial data and will be influenced by planting date, latitude and heat accumulation.

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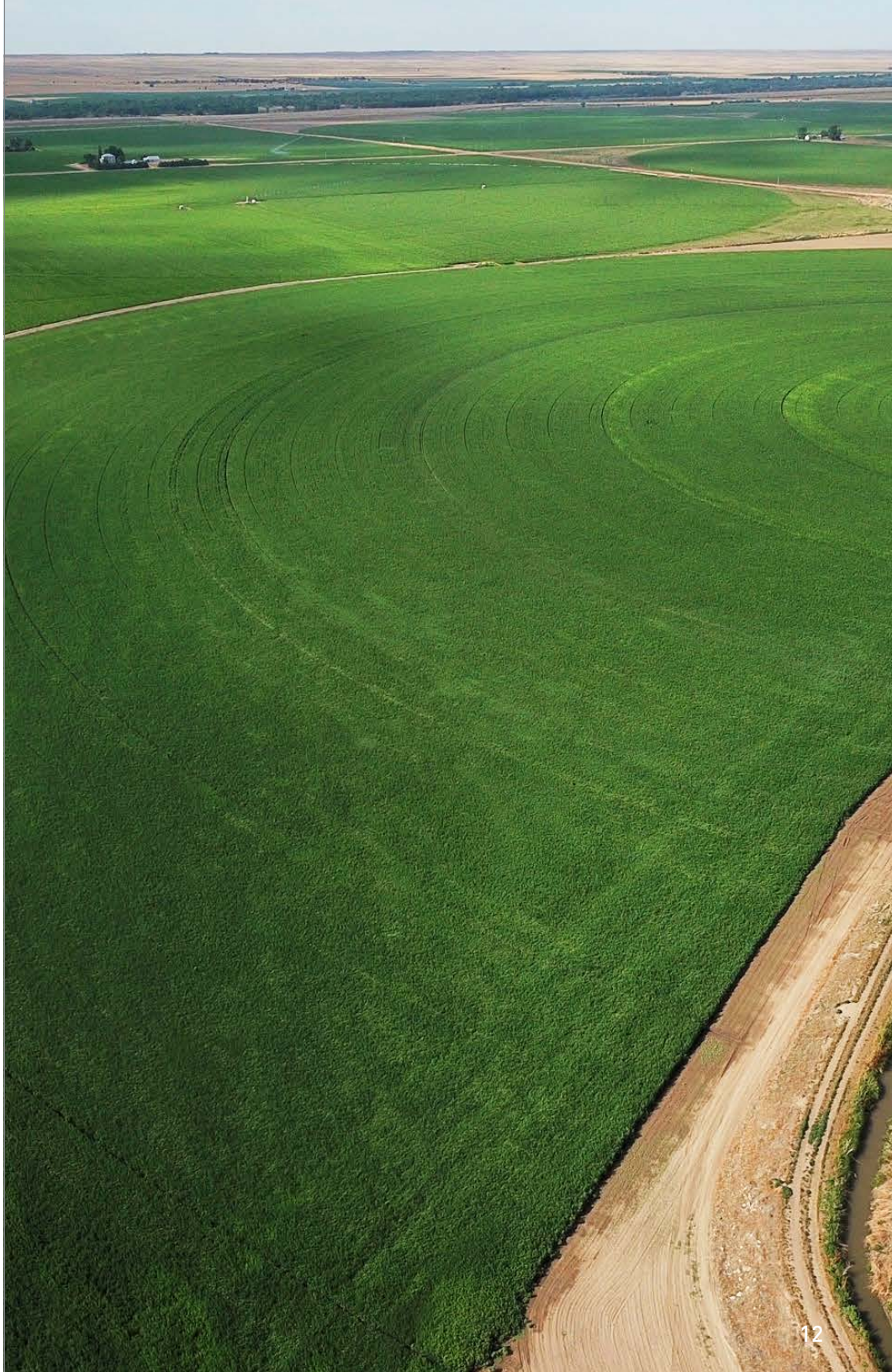
Yields stated are estimated based on the best and most current data available - Actual yields will vary depending on Grower practices.



NWG AMPLIFY

Amplify launches in 2024 and will be commercially available in 2025. This non-GMO hybrid trait that combines a genetic gender skew and hybrid heterosis to create double yields and a more efficient crop. This dramatic yield increase allows hemp grain to compete with soy and sorghum, opening the door to adoption for food, feed, and sustainable fuels markets.

The Amplify hybrid trait shows strong heterosis with increased uniformity and vigor, resulting in additional risk mitigation, nitrogen use efficiency, water productivity, easy of harvest and yield bump.

With well-timed planting and good weed management, varieties yield best on drilled row spacings. Recommended planting rates vary based on row spacing, environment and production focus. Pounds of seed per acre are adjusted for grain or fiber production to reach a desired final stand of 400,000 plants per acre when drilled for grain and dual-purpose and higher for bast-focused production.

Maximizing yield potential requires favorable environmental conditions and good agronomic management. Compliance with laws ensures a reduced risk product for consumers. NWG does not view compliance as a gray area. We do not release seed or product unless we have validated over multiple seasons that the THC levels are compliant with federal and state law.

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NWG 10

NWG 10 is the first variety released with our ground breaking gender skew and hybrid trait, AMPLIFY. With its shorter stature and impressive grain yields NWG 10 will be a top choice for oilseed producers. Hybrid genetics offer excellent early season vigor, resulting in quick canopy establishment and a stronger crop better able to withstand adverse environmental conditions. NWG 10 showed the highest grain yield of all varieties in the NWG 2023 internal trials.

Uses: Grain & Stalk (fiber and hurd)

All specs listed are based on data from 7.5" row spacing.

VARIETY CHARACTERISTICS

Grain Yield Potential:	up to 3,000 lbs/acre
Stalk Yield Potential*:	up to 5,500 lbs/acre
Height*:	6.0-8.0'
Days to flower*:	50-60 days
Days to maturity*:	105-109 days

*Plant height, stalk biomass increases at higher latitude and soil fertility.
*Stalk yield measured after grain head is harvested.
*Flowering dates and days to maturity based on 39-41 degrees latitude trial data and will be influenced by planting date, latitude and heat accumulation.

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NWG 12

NWG 12 is the second variety released with the AMPLIFY trait. This variety displays the same hybrid vigor and stand performance, but with taller stand heights it offers stellar dual-purpose hybrid hemp production. The gender skew genetics mean more females in the field, grain yields not yet achieved in hemp, and improved fiber quality. NWG 12 was the second highest grain yielding variety among NWG trials.

Uses: Grain & Stalk (fiber & hurd)

All specs listed are based on data from 7.5" row spacing.

VARIETY CHARACTERISTICS:

Grain Yield Potential:	up to 3,000 lbs/acre
Stalk Yield Potential*:	up to 6,000 lbs/acre
Height*:	6.0-10.0'
Days to flower*:	52-62 days
Days to maturity*:	107-111 days

*Plant height, stalk biomass increases at higher latitude and soil fertility.
*Stalk yield measured after grain head is harvested.
*Flowering dates and days to maturity based on 39-41 degrees latitude trial data and will be influenced by planting date, latitude and heat accumulation.

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NWG AGRONOMIC PACKAGE

With an order of NWG hemp seed, you not only access genetics backed by years of US breeding, you also receive personalized support from experienced agronomists.

Included with 120+ acre seed purchase:

- Three live webinars held in the Spring
  - Information across the production spectrum.
    - ✓ Planning & Field Selection
    - ✓ Planting & Weed Control
    - ✓ Maturity & Harvest
  - Opportunity to ask individual questions and discuss topics with NWG agronomists.
- Up to 3 free consults via video or phone with NWG agronomists.

Included with 180+ acre seed purchase:

- One in-field visit and consultation with NWG agronomists.

Custom agronomic package add ons:

- Flat fee per in-person field consultation.
- Additional phone or video consultation - first 15 min free + flat fee per hour.

NEW WEST GENETICS

More about NWG Agronomic Recommendations

https://newwestgenetics.com/hemp-agronomy

Pictured: NWG Lead Agronomist, Daniel Willis(right), visits a grower's field to check on progress and offer support. Willis earned a MSc in Agronomy from University of Nebraska-Lincoln, and has 15+ years of experience across crops.

UPCOMING TRAITS IN THE PIPELINE

OUR UNIQUE TRAITS STAND THE TEST OF TIME.

- Northern Adaptation
- EliteBast
- Enhanced Nutrition Profiles
- THC Zero
- Herbicide Resistance

NEW WEST GENETICS

University Trial Data

2022

Colorado State University
Kansas State University
Michigan State University

Virginia Tech
University of Vermont

Percent of trial mean is a better way to look at this data due to the environmental variability from location to location. Grain yield at a given location is only partly due to genetics. You can plant the best variety in a parking lot, and it will yield zero. What is more important than the yield, is how a variety performed relative to the other varieties in a trial.

Grain Yield – Percent of Trial Mean by Variety and Location

	K-State	VaTech	CSU	MSU	Vermont
NWG 2730	175%	110%	NA	54%	113%
NWG 4113	NA	84%	179%	104%	122%
NWG 2463	137%	152%	237%	137%	129%
NWG 4000	NA	102%	NA	135%	104%

Fiber Yield – Percent of Trial Mean by Variety and Location

	K-State Manhattan	K-State Wichita	VaTech	CSU	MSU
NWG 2730	136%	150%	106%	103%	113%
NWG 4113	NA	NA	56%	103%	108%
NWG 2463	104%	68%	88%	99%	70%
NWG 4000	NA	NA	59%	NA	93%

NEW WEST GENETICS

ABOUT NEW WEST GENETICS

New West Genetics is on a mission to contribute solutions to agricultural climate challenges. The Company is a global leader in creating premium, stable hemp seed genetics enhanced with specialty traits that serve farmers and processors an economically viable crop rotation. We combine traditional breeding, modern genomics, and agronomic expertise to create non-GMO, proprietary hemp seed bred for high yield, enhanced nutrition, and sustainable production. These traits decrease agriculture's carbon footprint while increasing human, animal, and soil health. New West Genetics is proud to contribute to the growth of the US hemp industry.

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