

New West Genetics

2023 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 high yielding, non-GMO varieties, with good agronomic traits to enhance the scalability of hemp production and pave the way for stable, reliable product development.

NWG varieties are the result of years of breeding and stabilization. All of our varieties are novel, proprietary, and trait enhanced. To continue to supply our customers the most genetically pure and true to type seed, the only place to purchase NWG seed is from the company itself. We are happy to answer any questions, contact us at 800.970.1615 or info@newwestgenetics.com.



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THE ABOUND FAMILY OF VARIETIES

Top Yielding Certified Seed

The ABOUND family of varieties are dioecious, multi-purpose hemp seed varieties that are well-bred for commercial production of grain, fiber, and CBD. These varieties were the top 4 grain yielding varieties in the 2021 University of Illinois Hemp Trials. The ABOUND family has been bred over 8 years to achieve the most stable, highest quality hemp genetics for annual cropping.

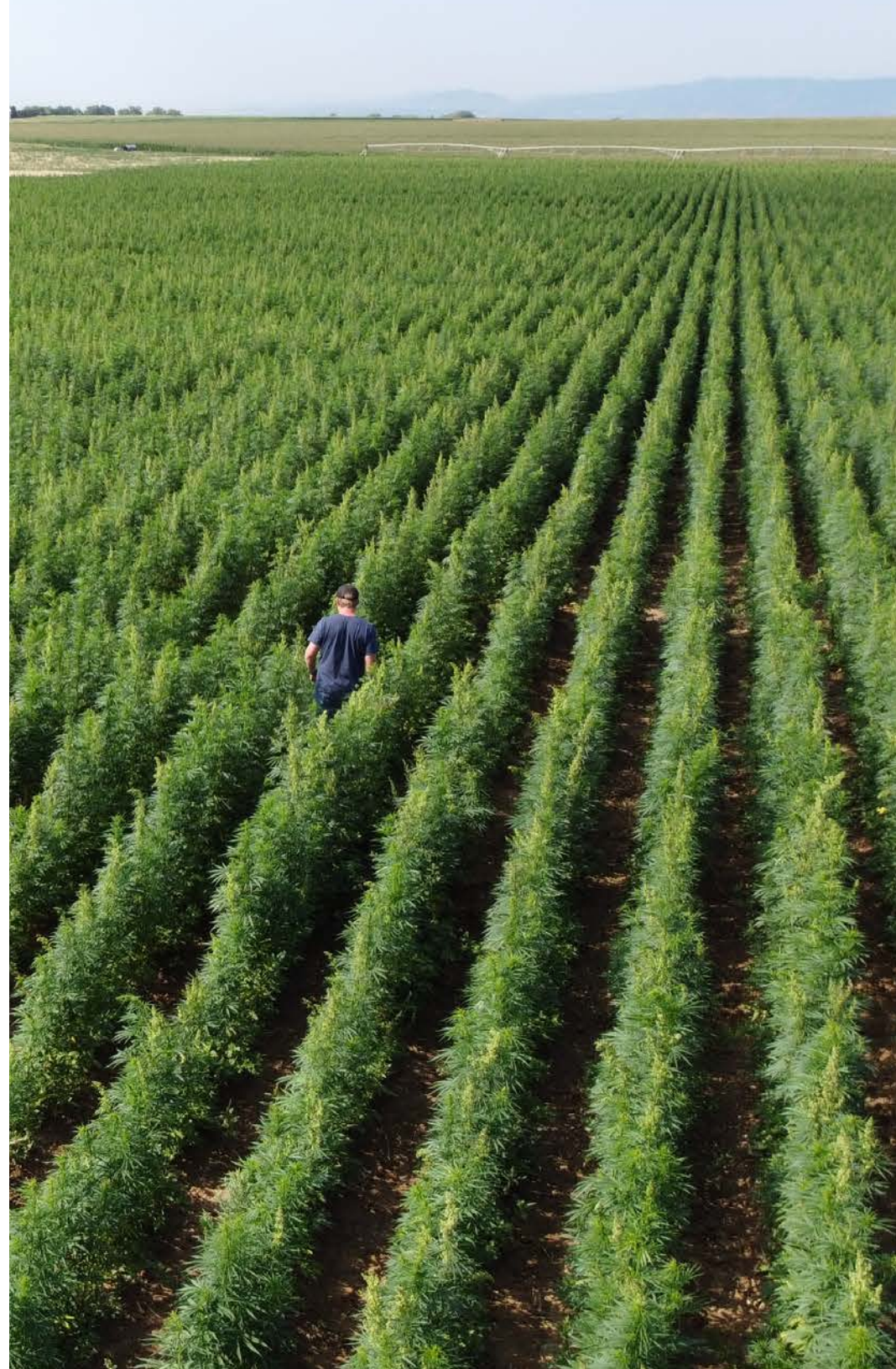
With well-timed planting and good weed management, varieties yield best at drilled row spacings. Recommended planting rates vary based on row spacing, weed pressure and primary production focus: stalk, grain, or CBD. Pounds of seed per acre are adjusted for the product being produced to reach a desired final stand of 400,000-450,000 plants per acre when drilled.

Actual yields will vary depending on Grower practices.

**True Multi-purpose Varieties:
Bred for Ultimate Grower ROI!**



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



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 40+ 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 agronomist.

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.



More about NWG Agronomic Recommendations
<https://newwestgenetics.com/hemp-agronomics>



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.

NWG 2463

Certified in 2020 with a commercial launch in 2022, NWG 2463 is the most dynamic in our multi-purpose ABOUND family. NWG 2463 demonstrated consistently high grain and stalk yields in 2021 NWG trial and had the highest grain yield of all entries in the 2021 University of Illinois Hemp Trials. Its slightly shorter stature relative to the fiber forward varieties in our portfolio provides improved harvestability. This is another excellent tri-crop variety option.

Uses: Grain, stalk (fiber & hurd), and CBD

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

TRAIT AVERAGES

Grain yield: 1600-2000 lbs/ac

Stalk Yield*: 4500-5500 lbs/ac

Height*: 6.0-10.5'

Days to flower: 50-60 days after

Days to maturity: 106-110 days

CBD Composition: 6.0-6.5%

*Plant height, stalk biomass increases at higher latitude and soil fertility.

*Stalk yield measured after grain head is harvested.



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 multi-purpose ABOUND family bred for high grain yield, good stalk yield, and elevated levels of CBD. NWG 4000 demonstrated the highest grain yields and harvestability in 2021 NWG trials. It is also the earliest maturing variety in the ABOUND family and an excellent choice for growers who place a higher value on grain production.

Uses: grain, stalk (fiber and hurd), and CBD

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

TRAIT AVERAGES

Grain yield:	1600-2000+ lbs/ac
Stalk Yield*:	4000-5000+ lbs/ac
Height*:	5.5-9.5'
Days to flower:	48-58 days after emergence
Days to maturity:	104-108 days
CBD Composition:	6.0 to 7.0%

*Plant height, stalk biomass increases at higher latitude and soil fertility.

*Stalk yield measured after grain head is harvested.



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



NWG 4113

Certified in 2020 and commercialized in 2021, NWG 4113 is the second release in our multi-purpose ABOUND family bred for high stalk and grain yields along with elevated levels of CBD. NWG 4113 is a taller variety, the stature of which provides excellent fiber yields, strong season-long weed control, and its high CBD levels make it a true tri-crop variety.

Uses: stalk (fiber & hurd), grain, and CBD

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

TRAIT AVERAGES

Grain yield:	1400-1700+ lbs/acre
Stalk Yield*:	5500-6500 lbs/acre
Height*:	6.5-12.0'
Days to flower:	52-62 days after emergence
Days to maturity:	110-112 days
CBD Composition:	6.5 to 7.5%

*Plant height, stalk biomass increases at higher latitude and soil fertility.

*Stalk yield measured after grain head is harvested.



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



NWG 2730

NWG 2730 is the first variety released in our multi-purpose ABOUND family. NWG 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 multi-purpose crop.

Uses: stalk (fiber & hurd), grain, and CBD

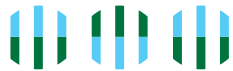
All specs listed are based on data from 7.5" row spacing.

TRAIT AVERAGES

Grain yield:	1200-1500+ lbs/ac
Stalk yield*:	5000-5500+ lbs/ac
Height*:	7.0-12.0'
Days to flower:	54-64 days after emergence
Days to maturity:	110-112 days
CBD Composition:	5.5-6.0%

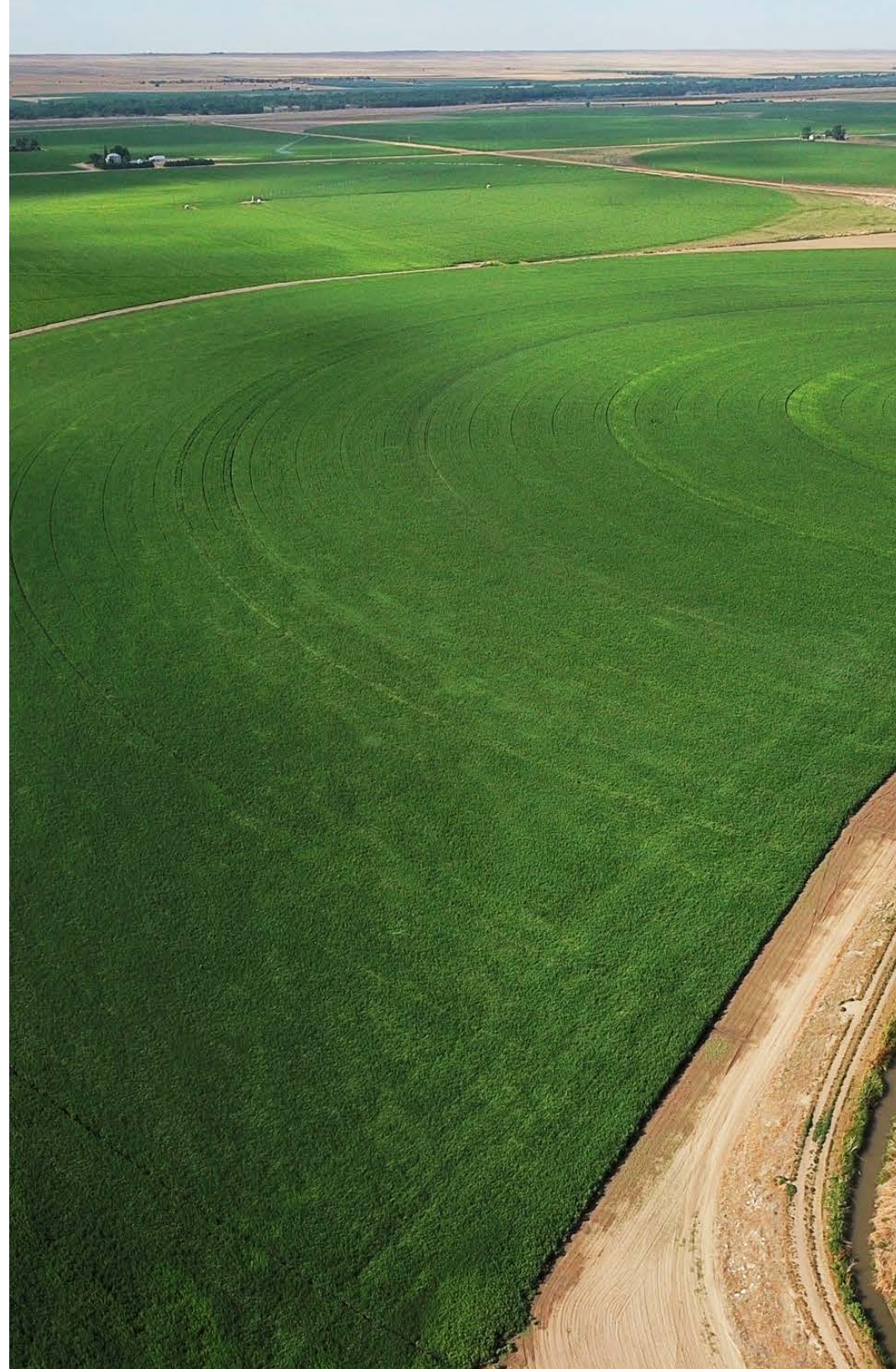
*Plant height, stalk biomass increases at higher latitude and soil fertility.

*Stalk yield measured after grain head is harvested.



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COMING SOON! AMPLIFY - 2X Yield

AMPLIFY is a non-GMO hybrid trait that genetically skews the ratio of female: male plants from 50:50 to 90:10 or more, effectively doubling yield of flower and grain.

This dramatic yield increase allows hemp grain to compete with the likes of soy and sorghum, opening the door to adoption for food, feed, and sustainable fuels markets.

The AMPLIFY hybrid trait show strong heterosis with increased uniformity and vigor, resulting in additional risk mitigation, ease of harvest, and bump for yields.

AMPLIFY will have a pilot commercial launch in 2023, and a full commercial launch in 2024. Existing customers will have first access to this enhanced ROI variety.



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UPCOMING TRAITS IN THE PIPELINE

OUR UNIQUE TRAITS STAND THE TEST OF TIME.

Northern Adaptation

EliteBast

Enhanced Nutrition Profiles

THC Ø™

Herbicide Resistance



ABOUT NEW WEST GENETICS

New West Genetics is on a mission to contribute solutions to global agricultural challenges. The Company is a global leader in creating premium, stable hemp seed genetics that are enhanced to serve the growing population and its' nutrition needs. 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, decreasing 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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