

2024-2025 PROGRAM GUIDE



nuseedcarinata.com





THE GOLD STANDARD FOR COVER CROPS



Nuseed is the seed technologies platform of Nufarm Limited (ASX:NUF)

Add Nuseed Carinata to your rotation and experience unparalleled year-round productivity with the high-performance cover crop that enriches your soil, boosts future crop potential, and provides a new source of income for your farm.



GROW WITH US: Contact your Nuseed representative today to learn about contract opportunities for the 2024/25 growing season.





Shift your perspective on cover crops and experience unparalleled year-round productivity with Nuseed Carinata – the high-performance cover crop that enriches soils, boosts future crop potential, and provides a new source of income for your farm.

The Gold Standard in Cover Crops

Nuseed Carinata is a non-food, harvested cover crop grown under contract in the Southern U.S. during the winter. It protects and improves soil between the main crop harvest and next season's planting. An essential addition to your crop plan, Nuseed Carinata hybrids replenish your rotation with exceptionally high biomass and a deep, complex root system compared to other winter-grown crops.

Your Partner in Production

Our dedicated local field team offers year-round service and agronomy support to carinata growers. We provide expert advice throughout the season, ensuring you can confidently produce a successful carinata crop.

Maximizing your carinata production reaps rewards from certified grain income in the spring and provides a built-in agronomic boost for future crops.

New Contract Opportunity, Backed by a Growing Global Market

Nuseed is invested in your success, offering closed-loop contracts for the delivery of certified carinata grain as a feedstock to supply an expanding global Sustainable Aviation Fuel (SAF) market. This turnkey opportunity empowers you to seamlessly join this regenerative agriculture value chain. As a Nuseed Carinata grower, you will benefit from a guaranteed production contract, offering offseason income potential alongside the agronomic value carinata provides as a cover crop.

CERTIFIED GRAIN PRODUCTION PROGRAM

The Nuseed Carinata contract production program rewards growers for sustainably producing certified carinata grain for end-use markets. With clear terms and a low cost of entry you can easily adopt Nuseed Carinata into your crop plans.

Our value-added, closed-loop production system starts with you planting high-quality Nuseed Carinata Nujet hybrids and finishes with the Carinata you harvest becoming a low-carbon bioenergy feedstock, paying you for each pound of certified Carinata that you deliver.

HIGH-VALUE HYBRID SEED

- **Bred to Perform:** Nuseed Carinata Nujet hybrids incorporate the latest genetics and agronomic packages tailored for the Southern U.S.
- **Ready to Plant:** Carinata seed comes pre-treated with a standard seed treatment package and are delivered in 50 lb bags.
- **Exceptional Value:** Valued at \$550 per bag, Advance Commitment growers pay only \$150 per 50 lb bag during the 2024-2025 season. This significant discount is available to support the success of our contract growers during the expansion of the Nuseed Carinata program.
- **Advance Commitment Savings:** To lock in this special pricing and save \$400 per bag, growers should sign an Interest to Grow form or a production contract during the Advance Commitment Period ending 8/31/24.



GROWER-DIRECT CONTRACT

- **Closed Loop System:** Participate in a closed-loop production system facilitated by Nuseed and backed by a guaranteed downstream market.
- **100% Grain Purchased:** Nuseed will pay for all certified Carinata grain delivered under the terms of the contract.
- **Local Support:** Nuseed representatives will work with the grower to coordinate seed delivery, soil sampling and data collection to certify grain, as well as harvest delivery logistics.
- **Fast payment:** Growers will receive payment within 30 days of last pick up or delivery per contract terms.
- **Force Majeure (FM):** The contract includes a Force Majeure clause to cover Act of God situations where a carinata crop cannot be produced.
- **Field Stewardship:** Growers must follow Nuseed Assurance Program stewardship requirements. Refer to the Nuseed Assurance Program section of this guide to learn more.

CONTRACT GRAIN OFFER

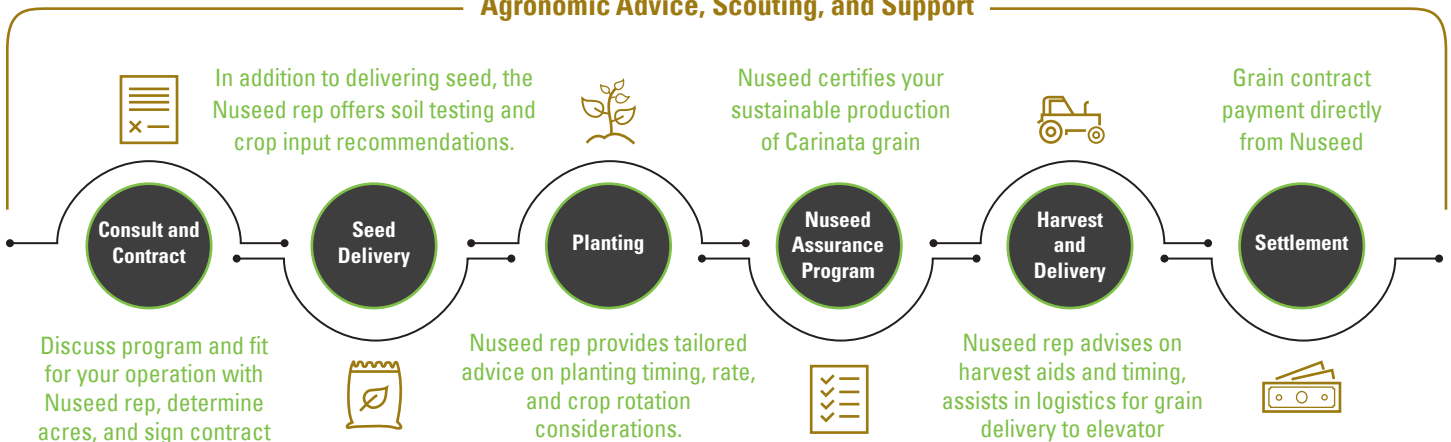
- **Stable Flat Pricing:** Pricing for qualifying, certified Nuseed Carinata grain is offered at a stable flat rate, derived from the market value of carinata grain within the oil, meal, and renewable fuel value chain complex.
- **Guaranteed Value:** The offer to the grower is stated in cents per pound of certified carinata grain delivered, and is locked in at the time of signing the production contract. A Force Majeure (FM) clause is included in the contract for added security.
- **Price Adjustments:** Nuseed reserves the right to adjust the offer if there is a significant change in the underlying value chain fundamentals.
- **Additional Premiums:** Growers may be eligible for an additional premium for signing an Interest to Grow form or production contract during the Advance Commitment Period ending 8/31/24.
- **Contact for Details:** Please see your Nuseed representative to learn about current pricing for Nuseed Carinata certified grain and to discuss our Advance Commitment Incentive.



GROWING WITH NUSEED

When growers enter a contract for Nuseed Carinata they are signing up for local knowledge and support throughout the entire season - **from seed to settlement.**

Agronomic Advice, Scouting, and Support



HIGH-PERFORMANCE HYBRID CARINATA, BRED FOR THE SOUTH

Nuseed Carinata Nujet hybrids offer robust agronomics and are bred to thrive in Southern U.S. conditions with short maturity, strong cold/frost tolerance, and native disease resistance. With a plant structure that features high biomass and a deep tap root, Nujet hybrids offer superior cover crop benefits and high grain yields.

	<i>NEW</i> NUJET 350	NUJET 400
VARIETY TYPE	HYBRID	HYBRID
PLANT TYPE	50 INCHES +/- 5 INCHES	55 INCHES +/- 5 INCHES
PETAL COLOR	PALE YELLOW	PALE YELLOW
TARGET YIELD	1,500 LBS/AC	1,500 LBS/AC
PLANT STRUCTURE	HIGH BRANCHING, MORE COMPACT POD CANOPY	HIGH BRANCHING, HIGH BIOMASS, LARGE LOWER LEAF SIZE
DAYS TO FLOWER	90 - 105 DAYS AFTER PLANTING	95 - 110 DAYS AFTER PLANTING
FLOWERING DURATION	4 - 5 WEEKS	4 - 5 WEEKS
DAYS TO MATURITY	150 - 160 DAYS AFTER PLANTING	160 - 170 DAYS AFTER PLANTING
DISEASE RATINGS	BLACKLEG(R) ; SCLEROTINIA (M)	BLACKLEG(R) ; SCLEROTINIA (M)
HERBICIDE TOLERANCE SYSTEM	NONE (CONVENTIONAL)	NONE (CONVENTIONAL)
POD SHATTER TOLERANCE	VERY GOOD	VERY GOOD

HYBRID SELECTION



A Nuseed representative will assess and determine the most suitable variety for your geography and needs.



AGRONOMIC BENEFITS

Enriching soils and unlocking yield potential for future crops

- 1.) High biomass to return organic matter to the soil
- 2.) Deep taproot and complex root system provide efficient usage of available and leftover nutrients such as nitrogen
- 3.) Breaks the cycle of pests and diseases in your crop rotation
- 4.) Reduction of wind and water erosion
- 5.) Soil tilth and loosening to break up hard ground
- 6.) Enhances crop competitiveness against winter weed species
- 7.) Reduction in nematode populations
- 8.) Off-season food source for pollinators

BEST MANAGEMENT PRACTICES

- ▶ Nitrogen fertilizer recommendations based to soil testing with a maximum 80 lbs/ac of total synthetic N applied throughout the season

- ▶ Seeding rate of 3-5 lbs/acre recommended to achieve a plant population recommendation of 8-12 plants per sq ft.

- ▶ The application of manure will enhance yield

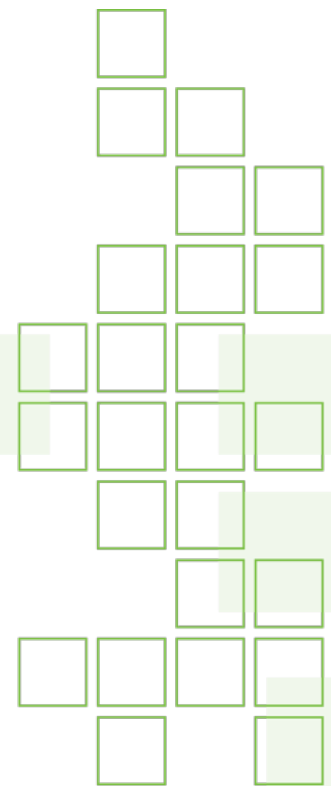
- ▶ Target seeding depth at 1/4 to 1 inch with an ideal placement at 1/2 inch. Row spacing of 7.5 to 15 inches is most common

- ▶ No-till or min-till system is recommended for best establishment

- ▶ Planters, air drills, box drill, and broadcast equipment can be used. Utilizes existing equipment for planting and harvesting

- ▶ Planting dates targeted from late October to mid-December, depending on geography and environment

Additional agronomic resources to help you produce a successful carinata crop are available through your Nuseed representative or online at nuseedcarinata.com



NUSEED ASSURANCE PROGRAM

Nuseed Carinata is a certified sustainable, non-food cover crop contract grown between primary crop rotations to improve soil and provide a renewable alternative to fossil oils.

Nuseed Carinata is produced under a closed loop system, from planting to grain delivery to processing, with production data collected according to the **Nuseed Assurance Program**. Production data including fertilizer usage and crop protection applications, combined with detailed life cycle analysis, enables downstream customers to meet sustainability and corporate accountability reporting needs, qualify for multiple sustainability certifications, and gain access to important global markets.

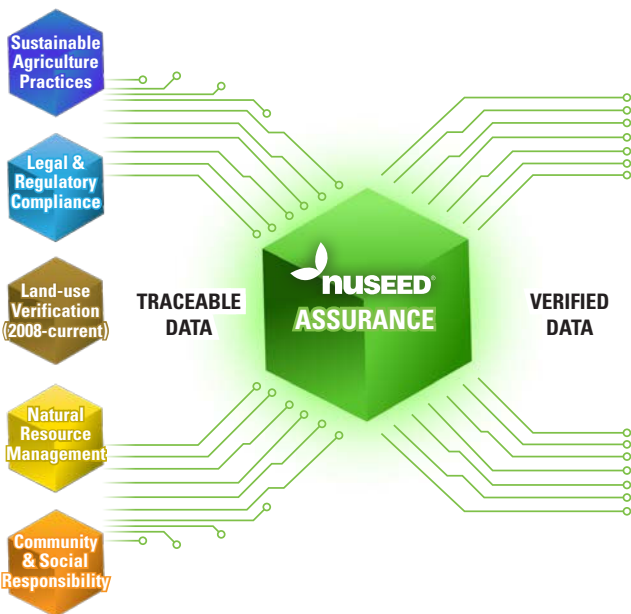
What is the Nuseed Assurance Program?

The Nuseed Assurance Program centralizes the documentation and field data required to demonstrate to customers and other stakeholders that all participants in the Nuseed Carinata Value Chain – from soil-to-oil – stay true to the company’s sustainability commitments. These commitments span legal, social and environmental aspects to ensure ethical, responsible, and environmentally friendly practices at the farm as well as during transportation, storage, processing, refining and

distribution. End-use oil customers receive a Nuseed Assurance Declaration with every purchase of certified sustainable feedstock or oil. This declaration shows the standard(s) against which the product is certified and includes additional details specific to the product such as the origin, chain of custody, and greenhouse gas scores.

Why is field data collected?

Field data is reported by growers and field agents to comply with global sustainability standards and to access markets in the United States and Europe as well as global sustainable aviation fuel (SAF) markets that have stringent social and environmental performance requirements. Collecting data over time across regions also helps Nuseed support growers with in-field decisions for the best agronomic performance and yield, balanced with the lowest lifecycle carbon emissions for the grain produced. Field data is stored securely and used for grain certification, greenhouse gas calculations, contract payments and the end-use customer declaration. All field data is identified by unique lot numbers to enable soil-to-oil traceability.





What is required of growers for Nuseed Carinata contract production?

Nuseed works closely with growers to ensure that their Nuseed Carinata cover crop meets all the requirements for certification and global market access, right from contract signing to grain delivery. Below is a general overview of the annual timeline.

During Contracting

- Growers sign the Nuseed Assurance Program agreement detailing production requirements, including but not limited to providing GPS field coordinates, limiting their use of synthetic nitrogen, and if selected from their region, soil testing implemented by Nuseed prior to planting, post-harvest, and up to twice more to measure soil carbon accumulation.

Planting: October-November

- Review the Nuseed Assurance Program details and confirm compliance with Labor and Occupational Safety and Health Act requirements, plus water use permitting, as required by U.S. Law.
- Indicate if irrigation use is anticipated, and record seeding rates, fertilizer and input applications.

In-Season: December-April

- During the growing season, as Nuseed Staff and Agents check in with growers to answer agronomic and program questions, they will assist growers with completing field data collection.
- A small number of farms are requested to participate in an on-farm certification review.

Harvest: April-May

- After harvest, growers complete the Post-Harvest Verification Form to complete the field data collection, mostly related to chemical storage, no or low tillage practices, crop rotation plans, crop chemical applications, and irrigation use.
- Fields selected from the region for soil tests pre-planting are tested again post-harvest.

The Nuseed Assurance Program qualifies growers for contract payment for their sustainable production of Nuseed Carinata while also delivering many agronomic benefits – soil enrichment, carbon sequestration, and the disruption of pest and disease cycles between primary crop seasons.



Interest to Grow Form

THANK YOU FOR YOUR INTEREST IN NUSEED CARINATA

Our team will be in touch to share additional information about the Nuseed Carinata program, answer any questions you may have, and work with you to develop a tailored crop plan for Nuseed Carinata that aligns with your operation’s unique needs and goals.

GROWER INFORMATION	
Landowner/Grower Name	
Business/Property Name	
Address (Street, City, State, ZIP)	
Mobile #	
Email	

BACKGROUND	
Total acres you’re interested in contracting?	
Have you previously grown carinata or canola?	

ACKNOWLEDGEMENTS

Upon contracting Nuseed Carinata, I affirm that my farm is able to follow Nuseed Assurance Program requirements and Nuseed Carinata production practices including, but not exclusively:

- Limited synthetic nitrogen fertilizer application at a maximum of 80 lbs/acre for the Carinata growing season
- Only conservation tillage practices in the field(s) planted to Carinata
- Timely submission of field GPS coordinates and records (i.e. seeding rates, fertilizer use, irrigation (if any), and chemical applications) including an on-farm review and potential soil carbon testing
- Ensure Nuseed Carinata is only grown between primary crop harvest and the next season’s planting



INITIALS _____

Submit form to your local Nuseed Rep to learn more on how to become a Nuseed Carinata producer at nuseedcarinata.com

FOR INTERNAL USE:

Nuseed FSM

Agent

Date Received

JOIN OUR COMMUNITY OF NUSEED CARINATA PRODUCERS AND **GROW WITH US** THIS SEASON

CONNECT WITH OUR DEDICATED NUSEED TEAM TODAY TO
EXPLORE LIMITED CONTRACT OPPORTUNITIES AVAILABLE
FOR THE 2024-2025 SEASON.

U.S. Field Sales Team Manager

Parker Bontrager | 260-336-2261 | parker.bontrager@nuseed.com

Field Sales Manager - Texas and Louisiana

Danny Crane | 979-253-1813 | danny.crane@nuseed.com

Field Sales Manager - Southeast

Derek Barber | 904-776-3547 | derek.barber@nuseed.com

Carinata Commercial Program Manager

Michelle Arceneaux | 912-300-7118 | michelle.arceneaux@nuseed.com

Carinata Commercial Agronomist

Logan Dyer | 513-432-3892 | logan.dyer@nuseed.com

Carinata Stewardship Coordinator

Megan Gould | 979-485-3713 | megan.gould@nuseed.com



nuseedcarinata.com



© 2024 Nuseed® is a registered trademark of Nufarm Limited. All trademarks are property of their respective owners. Always follow product package instructions and registered uses. Content is provided in good faith for information purposes only.