



GUIDE TO THE BRASSICA CARINATA

2024

WWW.CARINATA.COM



WHAT IS IT? CARINATA

A NEW TYPE OF CROP:

Carinata, also known as *Brassica carinata*, is a sustainable non-genetically modified oilseed crop. It's harvested globally for alternative biofuels and animal feed. Here's why it's a game-changer: The Carinata seed has about 42-45% high-quality inedible oil in winter environments, making it an excellent alternative for the production of second-generation biofuels. It is a certified and sustainable crop that is inserted between existing rotations, providing the farmer with one more alternative for the diversification of crops in rotation.



KEY

FEATURES

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BRASSICA CARINATA ALSO CALLED ETHIOPIAN
MUSTARD, IS A WINTER/SPRING OILSEED

COVER CROP WITH A TAP ROOT

INEDIBLE OIL, SECOND GENERATION BIOFUELS

MAIN USE:

JET FUEL AND PROTEIN
MEAL FOR ANIMAL FEED

KEY FEATURES



NON GMO

COST-EFFECTIVE GRAIN PRODUCTION

SUSTAINABILITY: REDUCTION OF
GREENHOUSE GASES

RSB CERTIFICATION (ROUNDTABLE ON
SUSTAINABLE BIOMATERIALS)

BETWEEN 90 AND 120 DAYS
TO FLOWERING

NUJET 350
INTERMEDIATE CYCLE

KEY FEATURES



LOW RATES OF SEED SHATTERING
HIGHER RESISTANCE TO PEELING

HEALTH: HIGHER TOLERANCE TO DISEASES,
ESPECIALLY PHOMA

ROLLOVER RESISTANCE: VERY GOOD, WITH
DENSITIES THAT ARE NOT TOO HIGH

COMPENSATION CAPACITY:
EXCEPTIONAL (GREATER BRANCHING)

HIGHER STUBBLE VOLUME

AGGRESSIVE CROP THAT WILL
OUTCOMPETE MANY WINTER WEEDS



FEATURES

SOWING

FEATURES

SOWING



OPTIMAL DATE:

SPRING: APRIL-MAY

WINTER: OCTOBER-NOVEMBER

WELL-DRAINED SOILS

DEPTH: 1-2 CM

PREVIOUS HERBICIDES:

DOES NOT TOLERATE ALS NOR SOME PPOS

AVOID SEEDBEDS WITH HEAVY STUBBLE
OR RESIDUE, IF IT'S THE CASE

AVOID SOWING IN PLOTS WITH
HIGH PRESENCE OF CRUCIFEROUS

FEATURES

SOWING



PREVIOUS CROP: LOTS WITHOUT BRASSICAS IN THE LAST 2 YEARS

RECOMMENDED SOWING DENSITY:
4 KGS/HA (60 PL/M2 AT HARVEST)

AT VERY LOW DENSITIES, THICK STEMS CAN COMPLICATE THE HARVEST

AT VERY HIGH DENSITIES, THERE IS A RISK OF LODGING

IMPORTANT: GOOD SOWING DISTRIBUTION (RATHER THAN DENSITY)

IDEAL ROW SPACING:
30-50 CM, PREFERABLY 40CM

BETTER WEED CONTROL AT SHORTER DISTANCES BETWEEN ROWS



FEATURES

AGRONOMIC



FEATURES

AGRONOMIC



FROST BEHAVIOUR

CAPABLE OF RECOVERING FROM EARLY FROSTS WITH GOOD YIELD POTENTIAL

THE MOST CRITICAL STAGE IS IN COTYLEDONS OR SEEDLINGS (VERY EARLY FROSTS) AND AT THE START OF SEED DEVELOPMENT (LATE FROSTS)

STUBBLE CULTIVATION TO AVOID EXCESS RESIDUES IN PREVIOUS CULTURE

MANAGE PLANTING TIMES TO AVOID FROST IN BLOOM

THE COMBINATION OF FROST AND SEVERE DROUGHT CAN CAUSE HIGH PLANT MORTALITY

FEATURES

AGRONOMIC



FERTILISATION

SYNTHETIC NITROGEN:

60 UN/HA OF AVAILABLE N. A SOIL TEST
MUST BE DONE BEFORE THE CROP

**BIOSTIMULANTS AND ORGANIC
FERTILISER (MANURE):** NO RESTRICTIONS
WITH PRIOR CONTENT ANALYSIS AND
CERTIFICATION DECLARATION

SULPHUR: 15-25 UNITS SULPHUR STRONGLY
RECOMMENDED TO BUILD OIL CONTENT

PHOSPHORUS: AT PLANTING
20 UN IN SEED ROW

POTASSIUM: IF 300 UN IN SOIL TEST - NO NEED
TO ADD POTASSIUM, IF NOT 25-30 UN/HA

The image features a field of yellow flowers, possibly mustard or rapeseed, under a warm, golden light. A horizontal green band is superimposed over the middle of the image, containing the text 'HEALTH INFORMATION AND PESTS' in white, bold, uppercase letters.

HEALTH INFORMATION AND PESTS

HEALTH INFORMATION AND PESTS



DISEASES

MAIN DISEASES:
ALTERNARIA, SCLEROTINIA AND PHOMA

PESTS

FLEA BEETLE AND POLLEN BEETLE

A close-up photograph of a field of yellow flowers, likely rapeseed, with thin green stems and small, bright yellow blossoms. The background is softly blurred, creating a shallow depth of field. A semi-transparent green horizontal band is overlaid across the middle of the image, containing white text.

FEATURES

HARVESTING

FEATURES

HARVESTING

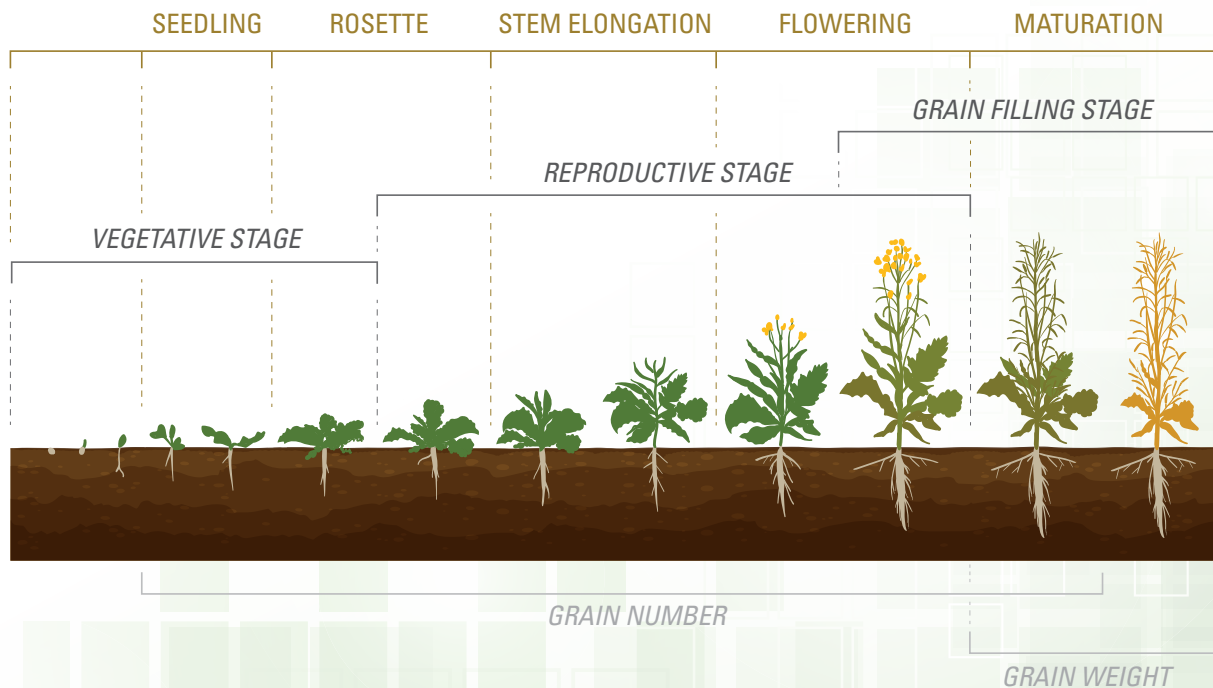


DIRECT HARVEST (COULD BE SWATHING)

CARINATA IS GENERALLY POD SHATTER RESISTANT, SO PATIENCE IS ADVISED IF STEMS ARE STILL TOO GREEN

INDICATOR: COLOUR CHANGE OF THE SEED:
FROM GREEN TO A LIGHT TAN OR
REDDISH COLOUR

PHENOLOGICAL STAGES OF CARINATA





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