



The crop prefers medium-textured soil, but performs on a wide range of soil textures such as clay soil, but soils sandy should be avoided. The optimum pH is 5.7-7.0. Rapeseed requires well-drained soils and does not tolerate puddles.



Temperature

Rapeseed grows best at temperatures between 3-25 ° C while the optimum temperature for growth and production is of 21 ° C. During its life cycle the plant may be exposed to extreme temperatures below zero in winter (in the case of varieties autumn) and above 30 ° C in summer. The plant is particularly sensitive to high temperatures of 27–30 ° C during flowering.



Nutrition

Rapeseed has a high need for nutrients during growth period. It is a high consumer of boron. The amount of boron absorbed by plants rapeseed during the growing season ranges from 300 to 500 g / ha, depending on the degree of development of the foliar apparatus.

The availability of boron for plants is limited by drought, high pH values, and in the period after application. It needs twice as much sulfur as wheat, 25% more nitrogen and the same amount of phosphorus and potassium.

Dynamic of nutrient uptake Oil seed rape 400 350 300 250 200 150 100 0 Dec Jan Feb March May Apr

Nutrient	Harvest	Remains	Total
Nitrogen	105	59,4	164,4
Phosphorus	56,4	22,2	78,6
Potassium	36,6	115,8	152,4
Sulphur	14,4	27,6	42
Magnezium	9	12	21
Calcium	7,8	65,4	73,2
Copper	0,02	0,06	0,08
Manganese	0,13	0,09	0,22
Zinc	0,17	0,30	0,47

0,35

0,49

K

Ν

S

Mg

Boron



N Base fertilizing

To satisfy the nutrition demands, we recommend using Agromaster partially coated fertilizers with controlled release of nutrients, which are able to supply the plants with the necessary macronutrients even up to 2-3 months after application. Agromaster can be applied either in a row at a distance of 10-15 cm from the plants or incorporated in a bed.



T:i		Ferilizer Type	Longevity	Dose rate kg/ha	
Timing	Product			Spreading	On Row
When sowing ultra-localized application	Agromaster* Start Mini 21-21-5+2MgO+15 SO ₃	40%N CRF	2-3		25-30 kg/ha
	Agromaster* Start Mini 8-32-0+5MgO+9SO ₃ +TE	72%NP CRF	1-2	-	
Before sowing by spreading with incorporation.	PKplus 29-5+2MgO+7S+21 CaO 20-20+2MgO+6S+15CaO 15-30+6MgO+6S+15CaO	-	-	200-300 kg/ha	-
Before sowing by spreading with incorporation in early spring (february-march)	Polysulphate 0-0-14+17CaO+6MgO+48SO ₃	BIO	-	100–200 kg/ha	-
Spring when vegetation resumes (March–April)	Agromaster [*] 40-0-5	30% N CRF	1-2	100–200	-

- The nutrient release time (longevity) is calculated at a temperature of 21 °C.
- The recommendations presented in this factsheet are based on specific conditions. Choose application rates depending on soil analysis and fertilization management. For more information about our products, please visit https://icl-sf.com/... or contact the ICL SF representative in your area!



Polysulphate is a completely natural, multi-component fertilizer that contains sulfur, potassium, magnesium and calcium.

Method of application:

- in a row, incorporated into the soil before planting / sowin
- spreading and incorporation into the soil 2 weeks before planting or sowing.





Foliar fertilization

Foliar fertilization applied in the right phase of vegetation is the fastest and most effective way to provide nutrients that are easily assimilated by the plant. The use of Agroleaf Power foliar fertilizer in the appropriate development phases eliminates the negative effects of the lack of macro- and microelements.



	Timing	Product	Dose rate
liquid fertilizer	In the phase of 6-8 leaves	Agroleaf° Liquid High P, 5-25-5+TE	3-5 l/ha
	In the phase of 8-10 leaves	Agroleaf° Liquid Moly B, 4-16-4+0.1B+2Mo	0,5-1 l/ha
	Early spring (march)	Agroleaf° Liquid Booster, 25-0-0+2MgO+TE	5-10 l/ha
	Floral bud	Agroleaf° Liquid Moly B, 4-16-4+0.1B+2Mo	1-2 l/ha
	At flowering	Agroleaf* Liquid High K, 8-8-16+TE	3-5 l/ha
water soluble fertilizers	In the phase of 6-8 leaves	Agroleaf° Power High P, 12-52-5+TE or Agroleaf° Power High K, 15-10-31+TE	2–2.5 kg/ha
	Spring	Agroleaf° Power Total, 20-20-20+TE or / and Agroleaf° Power Magnesium, 10-5-10+16MgO+32SO ₃ +ME	3–5 kg/ha 5 kg/ha
	Floral bud	Agroleaf* Power High N, 31-11-11+TE	3–5 kg/ha
	At flowering	Agroleaf° Power High K, 15-10-31+TE	3–5 kg/ha

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How to increase nutritional efficiency?

To solve problems caused by too hard water, Nova PeKacid 0-60-20, which lowers the pH of the solution, can be used for additional acidification. It is a 100% water-soluble powder that can be safely used in any irrigation system. PeKacid can be mixed with calcium and magnesium. Dosing is based on water analysis. Used in a spraying tank, it can control to the water pH to create an ideal solution for the plant protection products and thus improves their efficiency.





Lowers soil pH



Promotes nutrient uptake

Application	Dose rate
additional acidification	500 g/1 m³ of water
fertigation	100-500 g/1 m ³ of water
irrigation system cleaning	3,5–5 kg/1 m³ of water

