

Product **Agricultural lime**  
**Dolomitic quicklime**  
**Inorganic soil conditioner; type Ca-Mg conditioner**

Substance name Calcium magnesium oxide,  $\text{CaO} \times \text{MgO}$

Manufacturer **InterCal Croatia d.o.o.**  
**Tvornica vapna II (Lime factory II), Ruđera Boškovića 52, 43 541 Sirač**  
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Use Neutralization of acidic soil, repair of soil structure, increase of biological activities.

Chemical composition	S.T. (dry matter) – 105°C	%	99,79
	H <sub>2</sub> O	%	0,21
	CaO	%	53,37
	MgO	%	40,89
	Ignition residue (1100°C)	%	97,00
	Loss on Ignition (1100°C)	%	3,00
	Solubility in H <sub>2</sub> O	%	15,95
	Solubility in HCl	%	92,21
	Fe <sub>2</sub> O <sub>3</sub>	%	0,534
	Al <sub>2</sub> O <sub>3</sub>	%	0,1498
	SiO <sub>2</sub>	%	0,401
	MnO <sub>2</sub>	%	0,0413
	Cu	mg/kg	3,39
	Zn	mg/kg	9,87
	Cd	mg/kg	< 0,1
	Pb	mg/kg	5,75
	Ni	mg/kg	2,56
	Cr	mg/kg	11,48
	Hg	mg/kg	< 0,01

Total content of trace elements is within custom values for this type of material.  
 Content of heavy metals is below maximum permissible limits according to  
*Regulation on the protection of agricultural land from pollution.*

Additional properties Product is dispatched in four grain sizes:

- 0 - 3 mm
- 0 - 5 mm
- 1 – 3 mm
- 3 - 10 mm

	NAME	DATE
WRITTEN BY	Kornelija Bogdan	2020-12-17
APPROVED BY	Dario Andrijević	2020-12-17

**Application** For all crops and soil types.

Prior to use, it is advisable to conduct soil analysis in order to determine required lime quantity. Application must be performed repeatedly on acidic soils, until the optimal pH value is achieved. It is recommended to use lime prior deep processing for perennial crops, prior basic or before shallow tillage. Avoid application just before sowing and planting, respectively (at least 2 - 4 weeks before). It is important to mix lime thoroughly with soil during application.

**Application period**

Field crops:

- late fall, winter and early spring
- summer, after harvest of grains

Meadows, pastures and lawns:

- late fall, winter and early spring
- summer, after hay making

Gardens, orchards and vineyards:

- late fall, winter and early spring

Soil	pH of soil in KCl					
	do 4,5	4,6	4,8	5,0	5,2	5,4 - 5,5
<b>Sandy soil</b>	3,0	2,5	2,0	1,5	1,0	1,0
<b>Loamy sand soil</b>	3,5	3,0	2,5	2,0	1,5	1,5
<b>Sandy loam soil</b>	4,5	4,0	3,5	3,0	2,5	2,5
<b>Loamy soil</b>	5,5	5,0	4,5	4,0	3,5	3,0
<b>Clay loam soil</b>	6,5	6,0	5,5	5,0	4,5	4,0
<b>Clay soil</b>	7,0	6,5	6,0	5,5	5,0	4,5

**Storage** in dry and tightly closed containers, away from substrate

**Expiration date** depending on exposure to atmospheric conditions; 4 months in appropriate storage conditions

**Means of delivery** Bulk, Big Bag, Natron Bag (25 kg, 30 kg)

**Hazard pictogram**

#### HAZARD STATEMENTS

H315: Causes skin irritation

H318: Causes serious eye damage

H335: May cause respiratory irritation



#### PRECAUTIONARY STATEMENTS

P102: Keep out of reach of children

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P310: IF IN EYES: Rinse cautiously with water for several minutes. Immediately call a POISON CENTRE or doctor/physician

P302+P352: IF ON SKIN: Wash with plenty of water

P261: Avoid breathing dust/spray

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing

P501: Dispose of contents/container in accordance with local/regional/national/international regulation

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