



NOVA[®]

Potassium[®]

 Water-soluble source of potassium for high-quality crops

5 | 0 | 49 |
N P₂O₅ K₂O
21.0
SO₃

Description

Nova Potassium[®] 5-0-49+21SO₃ is a water-soluble fertilizer, featuring a balanced N-K ratio. It's an ideal nutrition solution for your crops with a high potassium demand. You can use it as a potassium source in fertigation. It can even be used in irrigation with hard water containing high levels of calcium thanks to ICL's patented calcium sulphate precipitation inhibitor. Nova Potassium contains nitrogen in nitrate form, which is easily taken up by the plant. Its lower amounts of nitrate mean it can be applied in later stages when a low level of nitrogen is needed. The product also contains sulfur, which makes it a suitable alternative to

other potassium and sulfur-based products, matching the plant’s needs with only one fertilizer.

Guaranteed analysis

Oxide

N	Total Nitrogen	5%
	Nitrate nitrogen (N-NO ₃)	5%
P ₂ O ₅	Phosphorus Pentoxide	0%
K ₂ O	Potassium Oxide	49%
	Water Soluble (K ₂ O)	49%
SO ₃	Sulphur trioxide	21%
	Water soluble (SO ₃)	21%

Benefits

- \\ Balanced N:K ratio, but ideal for high potassium demands
- \\ Also suitable for use in hard water containing high levels of calcium
- \\ Low salt index providing the right nutrients for salt-sensitive crops
- \\ Completely soluble, also in hard water conditions

Application rates

Recommended dilution rate for stock solutions: 10-12 kg / 100 l water

Trail first on a small scale before changing the rate, or any other variables, As circumstances can differ and the application of our products is beyond our control, ICL cannot be held responsible for any adverse results.

How to use

- 1 Nova Potassium is ideal for crops with a high potassium demand, traditionally used in fertigation.
- 2 Nova Potassium contains nitrogen in nitrate from which is easily taken up by the plants.
- 3 It can be used in any fertigation system, providing an optimal growth of vegetation and an adequate level of potassium in the plant tissues, to improve the final produce’s transportability, shelf life and quality.
- 4 Store under dry conditions.
- 5 Properly seal partly used or damaged bags.
- 6 If you need more information, please contact your technical support.

Dilution table for preparing soluble fertilizer solution

Water (L)		1	10	50	100	500	1,000	1,500	2,000
Fertilizer dilution rate (kg)	1:5	0.2	2	10	20	100	200	300	400
	1:10	0.1	1	5	10	50	100	150	200
	1:20	0.05	0.5	2.5	5	25	50	75	100
	1:30	0.033	0.3	1.66	3.33	16.66	33.33	50	66.66
	1:40	0.025	0.25	1.25	2.5	12.5	25	37.5	50

Water (L)	1	10	50	100	500	1,000	1,500	2,000
1:50	0.02	0.2	1	2	10	20	30	40
1:60	0.016	0.16	0.83	1.66	8.33	16.66	25	33.33
1:70	0.014	0.142	0.71	1.42	7.14	14.2	21.4	28.57
1:80	0.012	0.125	0.625	1.25	6.25	12.5	18.75	25
1:90	0.011	0.11	0.55	1.11	5.55	11.11	16.66	22.22
1:100	0.01	0.1	0.5	1	5	10	15	20

How to calculate dosage

Example: To prepare a 1:20 working solution for 100 L of water, divide 100 L by 20. This gives you 5, meaning you'll need 5 kg of fertilizer for 100 L of water.

Example: To prepare a 1:15 working solution for 150 L of water, divide 150 L by 15. This gives you 10, meaning you'll need 10 kg of fertilizer for 150 L of water.

Exploring recommended crops

This product is suitable for all types of crops, such as:



Cotton

Below, we share with you what you need to know about cotton cultivation, essential nutrients, and their role in the crop.

[Complete guide to Cotton](#)

+



Cucumber

Everything you need to know about fertilizing cucumbers, best practice, suitable products, field trials, and more.

[Complete guide to Cucumber](#)

[View all crops](#)

Attention

Trial first on a small scale before changing the rate, application, or any other variables. As circumstances can differ and as the application of our products is beyond our control, ICL cannot be held responsible for any adverse results. Contact your ICL advisor for more detailed advice.

<https://icl-growingsolutions.com/agriculture/products/nova-potassium/>

Last updated on: 30/09/2026

ICL Growing Solutions

©2026 ICL. All rights reserved.

