

Novalon Seed Treatment

What is Pre-Nutrition on Crops?

Novalon Seed Treatment

- To increase optimal crop yield, balanced nutrition is required at all stages of a crop development.
- Now our target is focusing on the seed and its treatment with plant nutrients.



**Seedling
Emergence**



**Beginning
of tillering**



Tillers formed



**Beginning of
erect growth**



**Leaf sheaths
strongly erect**

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Seed Treatment -

- In general focused on insecticides and fungicides.
- Is now a sophisticated science - and a growing market.

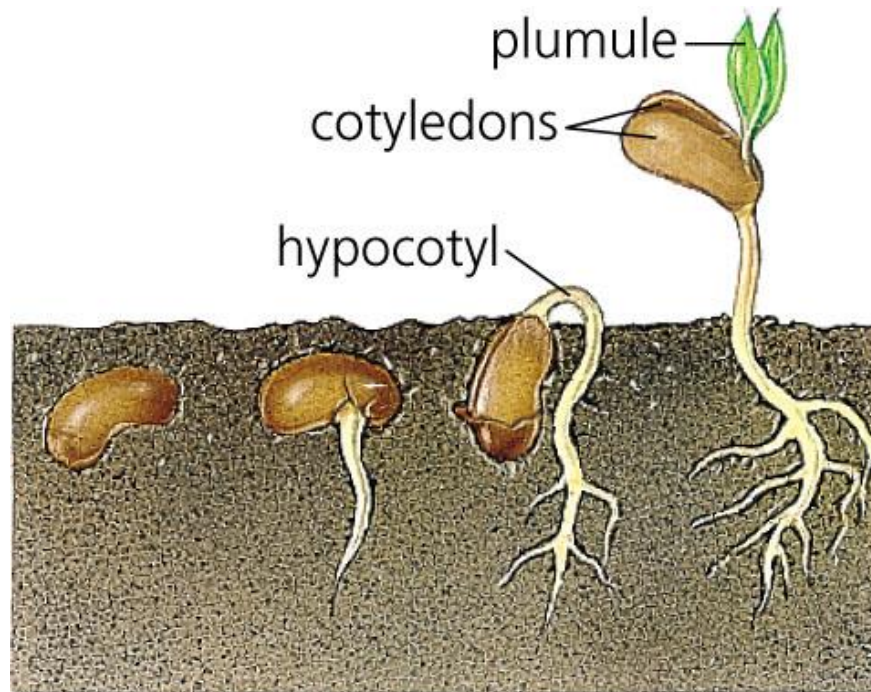


The majority of seeds are now pre-treated.

- Seed and pesticide industries continue to improve their applications and formulations in order to improve the market of treated seeds.
- There is a further opportunity to improve seeds performance with the targeted **nutritional additions**.

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One of the critical period for nutrient application of a crop is between germination and crop establishment, just before the effective root system has developed.



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Two factors that are effective about nutrition at this stage are;

- **nutrient reserves in the seed**
- **surrounding soil's ability to supply essential nutrients**

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User – Farmer

Better performance from the seed

- Good rates of germination
- Increased early vigour and strong crop establishment
- High resistance against stress at early stages (drought, disease, pests, etc..)

Return on Investment – improvements in yield and/or quality of product

- High benefits in a short time with less financial input and less effort.

Easy treatment

- Applicable by farmer or specialists.

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User – Seed Supplier

- **Supply additives to maximize the genetic potential of seed.**
- **Provide proven improvements of plant nutrition on new and existing varieties to add value.**
 - Highlight their own seed varieties in the market.
- **Easy to use and compatible with many existing seed treatments.**

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Seed treatment of nutrition is an important and internationally accepted procedure.

It has developed from NPK and Micro Nutrients plus special additives !!!

It Offers:

- **High nutrient input.**
- **Security of application - the crop receives treatment before planting (i.e. independent of weather conditions, machinery etc.).**
- **Application for local conditions and crops.**
- **Earliest possible treatment of the crop to improve germination.**
- **Easy to use with all crop production program.**

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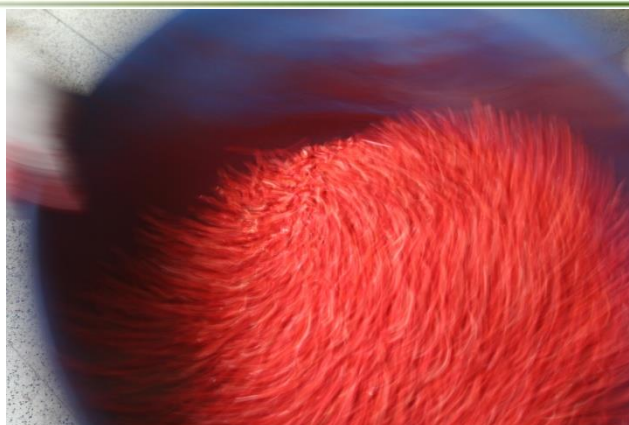
Product Safety – Germination, Trials



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Dose Trials



Application

Control



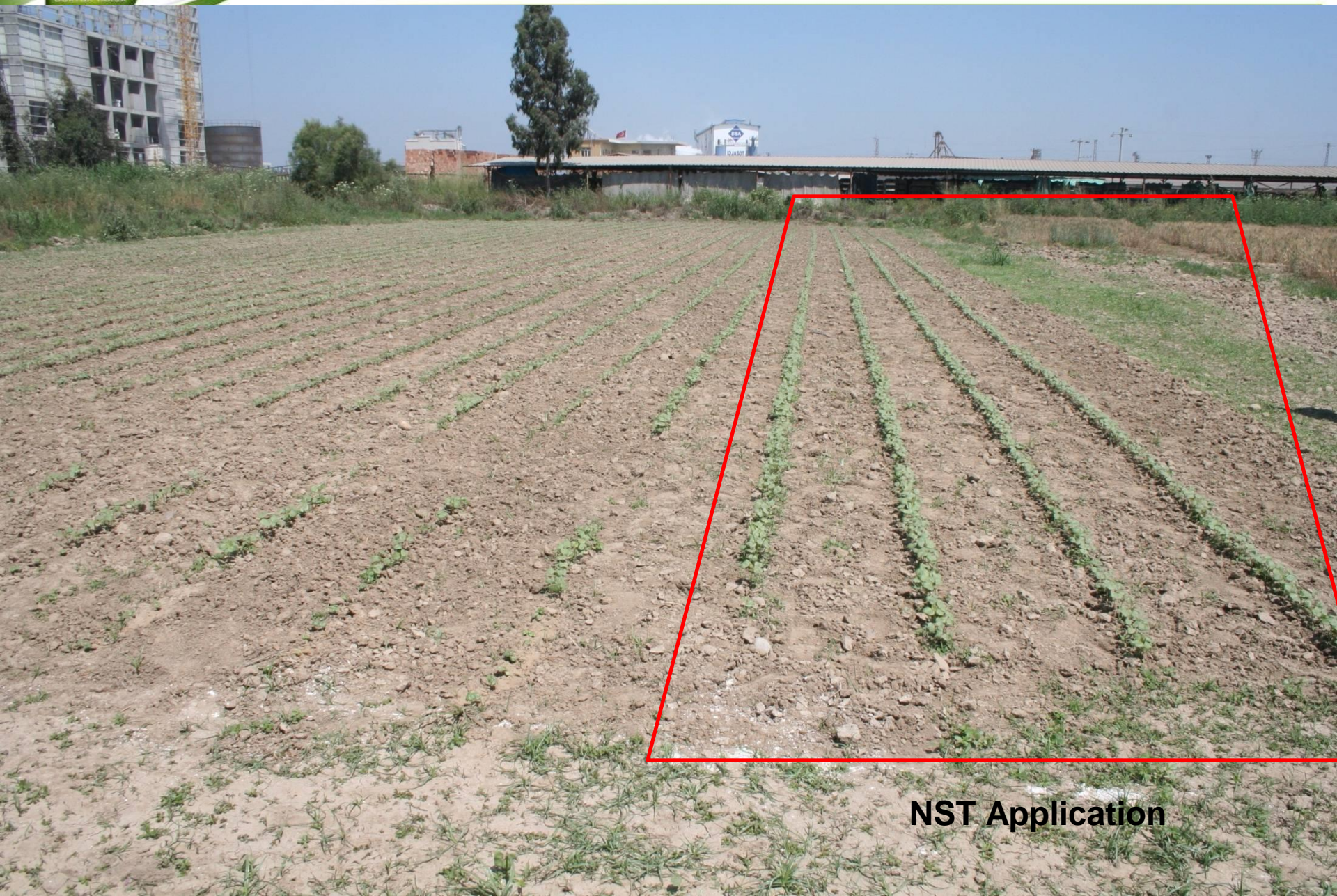
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Dose trials





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NST Application

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Control



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Applied

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Control

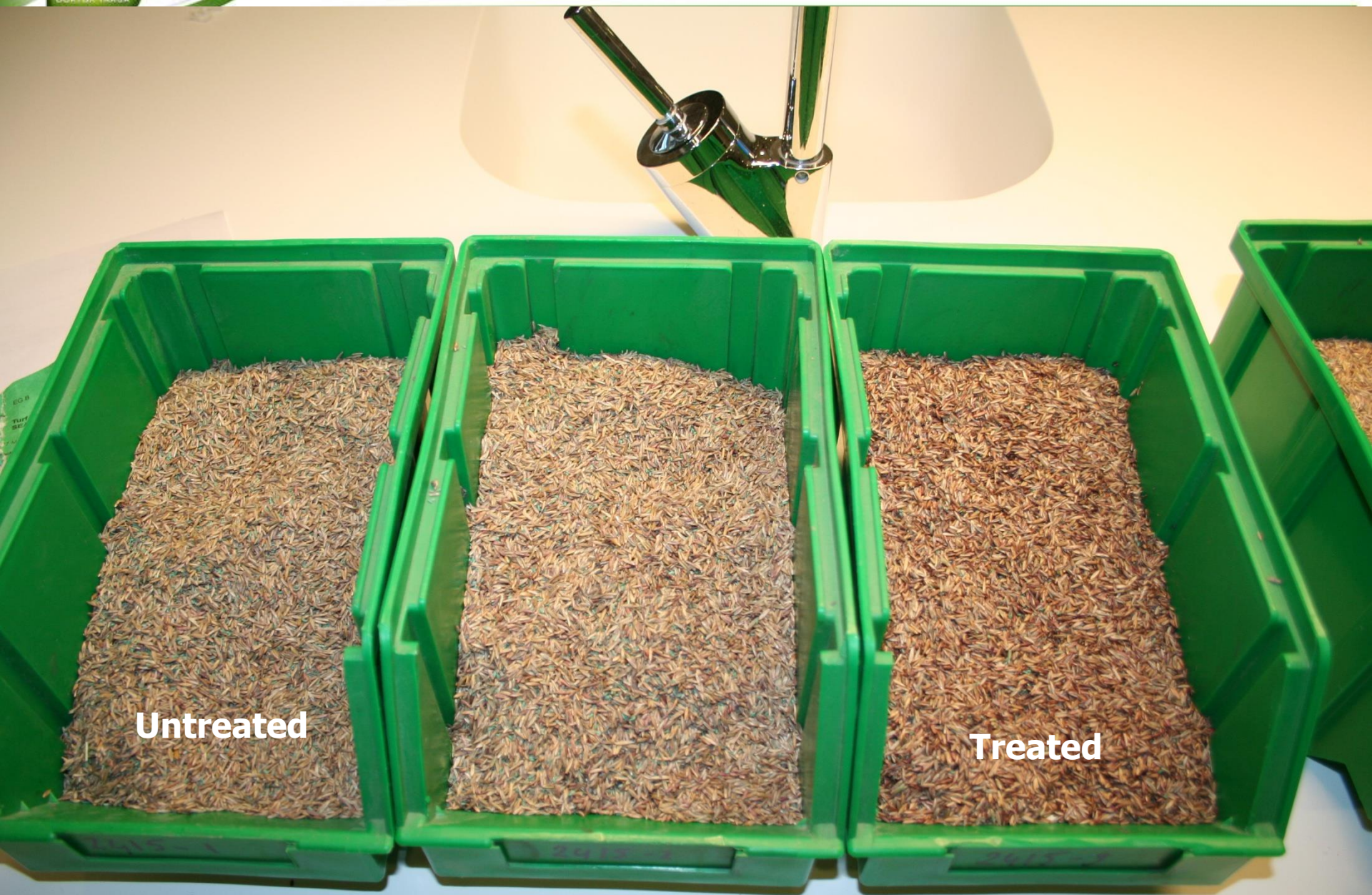
Applied

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Visual responses: Improved crop development.



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Novalon Seed Treatment

- **Novalon Seed Treatment is suitable for;**
 - **Field crops such as**
 - **Cereals (wheat, maize, sorghum)**
 - **Oilseeds (sunflower, groundnut)**
 - **Soybean, peas**
 - **Cotton**
 - **Crops with small seeds (most of the vegetables) !??**
 - Project trial stage-



–	Cereals	750 – 1200 gr / 20 liters water / MT Seeds
–	Cotton	1100 – 1750 gr / 20 liters water / MT Seeds
–	Maize	750 – 1200 gr / 20 liters water / MT Seeds
–	Rice	900 – 1450 gr / 20 liters water / MT Seeds
–	Bean	750 – 1200 gr / 20 liters water / MT Seeds
–	Sunflower	1800 – 2500 gr / 20 liters water / MT Seeds
–	Groundnut	700 – 1150 gr / 20 liters water / MT Seeds
–	Lawns	200 – 320 gr / 4 liters water / 100 kg Seeds
–	Lawns, to use in Hydroseeding	3000gr / 1000 liters Tank

Rooting/Transplanting Solution: 15gr / 20 liters water
to use at the time of transplanting, soaking roots.

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- Is Novalon Seed Treatment sprayed on Crops as a foliar spray?
Novalon Seed Treatment is not formally recommended for spraying as a foliar.
- Is Novalon Seed Treatment applied to seeds with other seed treatment products (fungicides and insecticides)?
Yes, with most of them. But pre-test is recommended.

Active Ingredient
Carboxin + thiram
Metalaxyl
Fubericazone + Tradimenol
Fludioxonil
Ethirimol + Flutiafol + Thiabendazole
Imidacloprid
Gamma HCH
Mecarpodimethur
Guazatine + 1.2-ethanediol
Carbendazim + Copper
Oxyquonolate + Antraquinone
Terbuconazole + Triazoxide
Tolclofos-methyl
Iprodione
Bendiocarb
Thiocarb
Thiram
Carboxin + Gamma HCH + Thiram

Novalon Seed Treatment



Novalon Seed Treatment

Our Product Contains:

NPK + TE
6 – 10 – 8 + TE

	%
N	6,6
P2O5	10,2
K2O	8,8
CaO	0,1
S	0,7
Zn EDTA	3,0
Fe EDTA	1,3
Mn EDTA	0,3
B	0,1
Cu EDTA	0,06
Mo	0,01
Plant Growth Regulators	0,049
Amino Acids	0,3
Humic+ Fulvic Acid	10,8

"Thanks"