



# Agromaster<sup>®</sup> Start Mini

## Trial results

### Durum Wheat (*Triticum durum*)

#### Higher yields - up by 7.7%

Ultra-localized application at seeding, combined with coated N and P, improved plant establishment in Autumn and further the yield by 7.7%

#### Fewer fertilizer applications

Application during sowing, eliminates the need of broadcasting extra fertilizers thus saving on labor and fuel costs

#### Less fertilizer to handle

Using 50 kg of Agromaster Start Mini compared to 150 kg of regular base fertilizers saves labor, transport and storage costs

#### Positive ROI – up to 200€/ha extra

Taking into account all cost savings, combined with the yield increase, make Controlled Release Fertilizers (CRFs) a reliable solution to fertilize open field soil grown crops

<b>N</b>	13% Total N
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<b>P</b>	44% P <sub>2</sub> O <sub>5</sub> (19.2% P)
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<b>K</b>	0% K <sub>2</sub> O
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<b>S</b>	5% SO <sub>3</sub> (2% S)
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### When

- Sowing: October 2020-21
- Harvest: June 2021-22



### Where

Ravenna, Italy



### Crop

Durum wheat  
(var Farah)



### Soil type

Silt-clay, pH 8.2  
P – 6.4 ppm  
OM – 1.7%



### Measurements

Total yield

## Objective

To evaluate over 2 growing seasons the effect on yield when using Agromaster Start Mini, as a starter fertilizer applied ultra-localized at seeding in high pH soils, compared to broadcasted DAP, as standard base fertilization for Durum wheat.

## Trial station and set-up

Terremerse Soc. Coop.

Randomized block design with 4 repetitions.

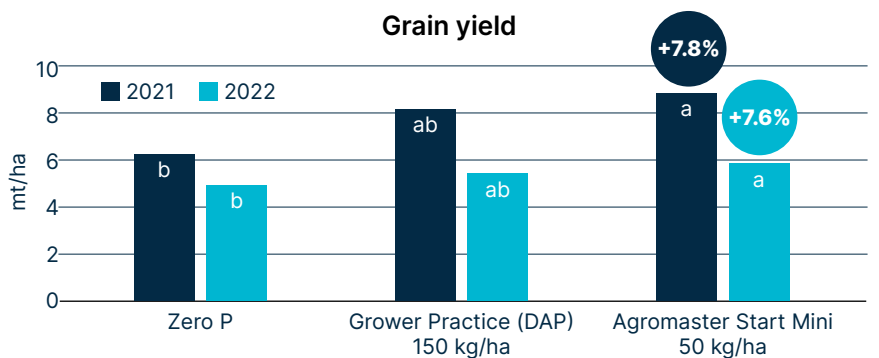
## Treatments

Treatment	Product	Timing and application method	N	P <sub>2</sub> O <sub>5</sub>
Zero P	Ammonium nitrate 34-0-0	Pre-sowing, broadcasted	27	
Grower Practice	DAP 18-46-0	Pre-sowing, broadcasted	27	69
Agromaster Start Mini	12-44-0+5SO <sub>3</sub> 1-2M, 36% coated N&P	During sowing, ultra-localized in furrows	6	22

*In Spring, all treatments received extra N-mineral to reach 180 kg/ha units of N, maximum allowed by legislation.*

## Results

Agromaster Start Mini, enriched with coated N and P, provides a safe start of the crop improving plant establishment in Autumn and further the final yield. Over 2 growing seasons, Agromaster Start Mini proved that with only 50 kg/ha can bring extra yield, in average by 7.7%.



*Statistically significant differences, P < 0.5*

Agromaster Start Mini is a safe starter fertilizer for all seeded crops, combining ICL's advanced coating technology with specially selected mini granules. The controlled release of N and P will keep your plants fed in their early stages, without negatively affecting germination and emergence of young plants.

With ultra-localized application, close to the seeds, Agromaster Start Mini boosts rooting and promotes fast establishment of the plants.

Coated P-based products improve the availability and uptake of phosphorus by the young root system. Meanwhile the coated nitrogen provides a gradual release which means that stressful situations, especially in the cold season, will be avoided.

