Micro-granular Fertilizer for Starter Applications

Easy Start®

- Excellent fertilizer efficiency
- Higher yields
- Extra fine granule size
- Environmentally friendly
- Encourages root mobilisation
- Suppression of soilborne fungal diseases
Easy Start® – How does it work?

Easy Start® is applied at sowing time. The small granule size and the placement of the fertilizer into the seed bed increases its efficiency, crop yield and quality.

- Application in “neighbourhood” of the seed guarantees emergence and first development of the root.
- Higher fertilizer efficiency under dry conditions.
- More uniform crop development in the first growing phase.
- Better/deeper root development.
- Improved physical stability of the crop and higher capacity for future nutrient uptake.
- Reduction of nitrogen leaching.
- Additional trace elements to ensure optimal growth.
- Additional Bacillus subtilis, selection E4-CDX®, to increase resistance against soilborne fungal diseases.
- IBDU included for steady nitrogen supply without leaching.
- Fine granule size within the range of 0.5 – 1.4mm.

Fig. 1: Root growth improvement with Easy Start®

Left: treated with Easy Start® 30 kg/ha; right: untreated.

Fig. 2: Extra fine granulometry of Easy Start®
Easy Start® Application

Fig. 3: Easy Start® is applied in small dosages during the seeding process. In this case, the fertilizer is placed directly into the seed bed.
Easy Start® – Target Crops

Tab. 1: Rates for application:

<table>
<thead>
<tr>
<th>Culture</th>
<th>kg/ha</th>
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</thead>
<tbody>
<tr>
<td>Corn</td>
<td>20–40</td>
</tr>
<tr>
<td>Oil seed rape</td>
<td>20–30</td>
</tr>
<tr>
<td>Sugar beet</td>
<td>15–35</td>
</tr>
<tr>
<td>Cereals</td>
<td>20–50</td>
</tr>
<tr>
<td>Vegetables</td>
<td>20–40</td>
</tr>
</tbody>
</table>

- Fertilizer to be applied at time of sowing.
- Application may supplement standard fertilizer program to achieve significantly higher yield.
- Especially under good soil conditions the standard fertilizer program may be reduced significantly.

Easy Start® – Trial Results

Fig. 4: Product performance at Pawlowice/Poland

Left: Competitor (7-20-28) 200 kg/ha, right: Easy Start® TE-Max BS 30 kg/ha
Easy Start® – Advanced Technology

Easy Start® TE-Max BS
- Addition of Bacillus subtilis, selection E4-CDX® to suppress soilborne fungal diseases in the initial phase after germination.
- **Bacillus subtilis**, selection E4-CDX® spores are tolerant to adverse conditions such as pH, salinity, heat, drought, radiation.
- **Bacillus subtilis**, selection E4-CDX® colonizes the root system and competes with certain fungal diseases organisms (e.g., Phytophthora, Pythium, Rhizoctonia, Fusarium, Peronospora).
- **Bacillus subtilis**, selection E4-CDX® is not toxic.

Easy Start® Microfast / Easy Start® Plus:
- Addition of ISODUR® for slow-release nitrogen supply.
- ISODUR® is COMPO EXPERT’s unique slow-release nitrogen which has proven excellent efficiency.
- Reduction of leaching.
- Reduction of burning and salinity.
- Sustainable N-Nutrition in the most critical growth stage.
- High fertilizer efficiency.
- Environmental benefits.

ISODUR® – How does it work?
- In the first phase, ISODUR® is broken down via hydrolysis into its original constituents at a rate dependent on temperature and moisture. These factors also control plant growth, so the release rate is in line with the biological demand of the plant.
- Efficient slow release effect even under difficult soil conditions, such as pure sand constructions.
- In the second phase, the slow-release nitrogen is converted by microorganisms into ammonium and nitrate ready for plant uptake. ISODUR® is 100% plant-available after conversion.
- By using slow-release ISODUR® nitrogen leaching is minimised and homogeneous growth is ensured over a period of up to 12 weeks.
**Easy Start® – Microgranule for Starter Application**

<table>
<thead>
<tr>
<th>Product</th>
<th>Composition</th>
<th>Characteristics</th>
<th>Packaging</th>
<th>Use*</th>
</tr>
</thead>
</table>
| **Easy Start® TE-Max** | **11-48-0** (+ 0.6 Fe + 0.1 Mn + 1.0 Zn) | NP starter fertilizer - 44% water soluble P<sub>2</sub>O<sub>5</sub> - incl. TE - granule size: 90% within 0.5 – 1.4mm | Bag: 20kg  
Pallet size: 50 x 20kg  
Container: 20': 20mt | Application: 20–40kg/ha |
| **Easy Start® TE-Max BS** | **11-48-0** (+0.5 B + 0.2 Fe + 0.1 Mn + 0.04 Mo + 1.0 Zn) + Bacillus subtilis, selection E4-CDX® | NP fertilizer - Bacillus subtilis-effect or healthy crops - granule size: 90% within 0.5 – 1.4mm | Bag: 20kg  
Pallet size: 50 x 20kg  
Container: 20': 20mt | Application: 20–40kg/ha |
| **Easy Start® Microfast** | **13-40-0** (+ 0.2 Fe + 0.7 Mn + 0.8 Zn) | NP fertilizer - 34% water soluble P<sub>2</sub>O<sub>5</sub> - product contains 3% slow-release nitrogen - granule size: 90% within 0.5 – 1.4mm | Bag: 20 kg  
Pallet size: 50 x 20kg  
Container: 20': 20mt | Application: 20–40kg/ha |
| **Easy Start® Microfast BS** | **13-40-0** (+ 0.2 Fe + 0.7 Mn + 0.8 Zn) + Bacillus subtilis, selection E4-CDX® | NP fertilizer - Bacillus subtilis-effect or healthy crops - granule size: 90% within 0.5 – 1.4mm | Bag: 20 kg  
Pallet size: 50 x 20kg  
Container: 20': 20mt | Application: 20–40kg/ha |
| **Easy Start® Plus** | **18-24-5** (+ 1.0 Fe + 0.5 Mn + 1.0 Zn) | NPK starter fertilizer - 20% water soluble P<sub>2</sub>O<sub>5</sub> - product contains 7.1% slow-release nitrogen - granule size: 90% within 0.5 – 1.4mm | Bag: 20 kg  
Pallet size: 50 x 20kg  
Container: 20': 20mt | Application: 20–40kg/ha |

Easy Start® TE-Max, Easy Start® TE-Max BS and Easy Start® Microfast BS also available as 300kg big bag.

* For detailed recommendations please contact your local COMPO EXPERT dealer/agent.