Multicote™ guarantees a reliable release profile

The rate of nutrients release from Multicote™ granules is dictated by the soil temperature. The release rate increases as temperature rises, just as happens with plant uptake rates. Other factors, such as soil type, humidity, pH, and microbial activity do not affect the release rate. The release longevity of Multicote™ products is determined at 21°C.

<table>
<thead>
<tr>
<th>Soil Temperature</th>
<th>15°C (59°F)</th>
<th>21°C (70°F)</th>
<th>30°C (86°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multicote™ 4</td>
<td>4 months</td>
<td>4 months</td>
<td>2 months</td>
</tr>
<tr>
<td>Multicote™ 6</td>
<td>7-8 months</td>
<td>6 months</td>
<td>3-4 months</td>
</tr>
<tr>
<td>Multicote™ 8</td>
<td>9-10 months</td>
<td>8 months</td>
<td>5-6 months</td>
</tr>
<tr>
<td>Multicote™ 12</td>
<td>15-16 months</td>
<td>12 months</td>
<td>7-8 months</td>
</tr>
<tr>
<td>Multicote™ 16</td>
<td>20-22 months</td>
<td>16-18 months</td>
<td>9-10 months</td>
</tr>
</tbody>
</table>

Multicote™ is based on polymer-coated fertilizer granules. During the production process, fertilizer granules consist of soluble nutrients, are encapsulated in a polymeric shell coating.

Following application, soil moisture slowly penetrates through the coating which begins a gradual dissolution of the nutrients inside the granule.

The dissolved nutrients diffuse through the coating to the root zone, providing the plant with available nutrients at measured portions — according to its growth needs.

After the release is complete, the empty shell ruptures and degrades.

How it works

Learn more about Multicote™ products, watch Multicote™ videos.

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Haifa Group is a leading global supplier of Potassium Nitrate, Specialty Plant Nutrients and Industrial Chemicals. Haifa’s operations span over 100 countries, with 14 subsidiaries and 4 production sites. Renowned for its pioneering spirit, Haifa's key mission is to create highly effective plant nutrition solutions for farmers worldwide.
The benefits of Multicote™ controlled release nutrition

Optimal plant development
Multicote™ products provide plants with balanced nutrition, according to their needs, throughout the growth cycle. This ensures optimal development and maximum high quality yields.

Less fertilizers are needed
Multicote™ products release available nutrients at a rate that matches plant uptake. This minimizes fertilizer losses, and enables considerable reduction of application rates – up to 30%, as compared to conventional granular or liquid fertilizers.

Saves labor and time
A single application of Multicote™ covers a crop’s nutritional requirements throughout its growth cycle. This saves labor and costs associated with fertilizer application. It also eliminates fertilization from the growers’ routine tasks, freeing them to concentrate on other growth requirements.

Simple application
Multicote™ fertilizers are applied directly to the soil, requiring no sophisticated injection or dosing system.

Environmentally friendly
Multicote™ reduces nutrient losses through leaching, volatilization or fixation, thus preventing environmental contamination.

Multicote™ products for various applications

**Nurseries**
- CoteN™ controlled release nitrogen for arable crops

**Gardening**
- Multicote™ safe nutrition for Nurseries and Ornamentals

**Potting soil**
- Multicote™ offers complete, carefully balanced nutrition from initial propagation through all the potting stages without allowing any disruptive shortages or oversupply situations that can affect plant growth and health

**Turf**
- Multicote™ Agri (Multigro™) cost-effective nutrition for Agriculture and Horticulture

**Agriculture**
- Combining coated fertilizer granules and readily-available nutrients, Multicote™ Agri products offer cost effective nutritional solutions that match the crop’s growth needs throughout the season.

**Horticulture**
- Multicote™ Turf (Multigreen™) year-round nutritional programs for turf

**Forestry**
- Multicote™ Turf products fully address all growth factors, offering optimized fertilization programs for every combination of turf species, climate conditions and maintenance level. Multicote™ Turf year-round nutritional programs take care of the changing needs of the turf and support seasonal growth processes.

**Nurseries Gardening Potting soil Turf Agriculture Horticulture Forestry**

### Multicote™ formulae address specific growth needs

<table>
<thead>
<tr>
<th>Lengthevity (months)</th>
<th>UC* 1 2 4 6 8 12 16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium nitrate</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>Urea</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>Mono-ammonium phosphate (MAP)</td>
<td>✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>Magnesium sulfate</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>Boron</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>NPK 15-5-15+ME</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>NPK 14-14-14</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>NPK 12-12-14+ME</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
</tbody>
</table>

* UC - uncoated fertilizer with an immediate effect

Multicote™ Turf (Multigreen™) year-round nutritional programs for turf

Multicote™ Turf products fully address all growth factors, offering optimized fertilization programs for every combination of turf species, climate conditions and maintenance level. Multicote™ Turf year-round nutritional programs take care of the changing needs of the turf and support seasonal growth processes.

### Multicote™ Agri (Multigro™) cost-effective nutrition for Agriculture and Horticulture

Combining coated fertilizer granules and readily-available nutrients, Multicote™ Agri products offer cost effective nutritional solutions that match the crop’s growth needs throughout the season.

### CoteN™ controlled release nitrogen for arable crops

Releasing nitrogen continuously throughout the growth season, CoteN™ maximizes the efficiency of N fertilization, hence highly recommended wherever nitrogen application is limited e.g. by environmental regulations. CoteN™ can be blended or applied in combination with other granular fertilizers in order to fulfill the complete nutritional requirements of the crop.

Use the FloraMatch™ software/App to select your formulae and to plan Multicote™ nutritional programs.