What are Seleni-Start and Seleni-Grass?

Seleni-Start and Seleni-Grass are grassland fertilisers enriched with granular Selenium specifically formulated to raise Selenium in pasture and forage to optimum levels for livestock health.

Why use Seleni-Start and Seleni-Grass?

- Selenium is essential for animal health
- Selenium deficiency is linked to infertility, retained placentas, poor LWG and a wide range of sub-clinical symptoms
- 90% of UK soils are deficient in Selenium
- Pasture and silage typically contains only 10-20% of the Selenium levels required by livestock
- Trials in the UK and Ireland have proved that Seleni-Start and Seleni-Grass can elevate and sustain Selenium levels in pasture, forage and animal bloods for optimal health and performance

**Product range**

- **Seleni-Start** 42.0.0 + 5% SO₃ + Se
- **Seleni-Grass** 25.3.3 + Se
  - 25.0.0 + 5% SO₃ + Se
  - 20.4.13 + 5% SO₃ + Se

**Product recommendations**

<table>
<thead>
<tr>
<th>Situation</th>
<th>Timing</th>
<th>Rate</th>
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</thead>
<tbody>
<tr>
<td>Early grazing</td>
<td><strong>Seleni-Start</strong> 42.0.0 + 5 SO₃ + Se is ideal for early application, particularly in colder conditions. Apply 6 – 8 weeks before turn-out.</td>
<td>125 – 190 kg/ha (1 - 1½ cwt/acre)</td>
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<td>Rotational grazing</td>
<td>Apply <strong>Seleni-Grass</strong> 25.3.3 + Se for each grazing cycle to the required N rate. Alternatively, use <strong>Seleni-Grass</strong> 25.0.0 +5 SO₃ + Se where high levels of slurry are being applied or soil P and K status is high.</td>
<td>190 – 250 kg/ha (1½ - 2 cwt/acre)</td>
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<tr>
<td>Aftermath grazing</td>
<td>Apply <strong>Seleni-Grass</strong> 25.3.3 + Se or 25.0.0 + 5 SO₃ directly after cutting for rapid re-growth.</td>
<td>190 – 250 kg/ha (1½ - 2 cwt/acre)</td>
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<tr>
<td>Silage</td>
<td>Apply <strong>Seleni-Grass</strong> 20.4.13 + 5 SO₃ + Se 6 – 8 weeks before cutting.</td>
<td>500 – 625 kg/ha (4 – 5 cwt/acre)</td>
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</tbody>
</table>

The above recommendations are for guidelines only. Please consult your FACTS Qualified Advisor for a detailed recommendation based on your specific requirements and situation.
Selenium – an essential livestock nutrient

1. Selenium and livestock:
   Selenium is an essential nutrient for livestock health and performance. Selenium deficiency can lead to potentially serious clinical disorders and production loss:
   - Infertility
   - Retained placenta
   - White muscle disease
   - Ill-thrift, poor LWG and a range of auto-immune disorders

2. Selenium and grass:
   - Although grass does not need Selenium, it does take it up from the soil
   - 90% of UK soils are deficient in Selenium which is reflected in very low levels in grass
   - Adding granular Selenium to fertiliser elevates the Selenium level in pasture and forage which is reflected in higher blood Selenium levels
   - Higher levels of Selenium can be provided in the base diet throughout the year, enabling a reduction or elimination of other, more expensive forms of supplementation

Trials in the UK and Ireland have proved the efficacy of Seleni-Start and Seleni-Grass with improvements in fertility, less retained cleanings and higher LWG.

3. Selenium in fertilisers:
   Applying Selenium in fertilisers such as Seleni-Start and Seleni-Grass:
   - is simple and does not involve additional work
   - is cost effective compared to other forms of supplementation (c. 2p per head per day)
   - does not involve animal handling
   - helps improve residual soil Selenium levels

Advanced nutrition for enhanced performance

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