



Heather (*Erica gracilis*) – cultivated in peat substrate with full NPK fertilisation. On left without micronutrients. On right with the addition of **RADIGEN**.



Poinsettia (*Euphorbia pulcherrima*) – On left without **RADIGEN** – lack of Boron results in suppression of flower and canopy growth. On right – with **RADIGEN**.



Geranium (*Pelargonium zonale*) – Without **RADIGEN** – in lack of iron results in interveinal chlorosis and reduced root development.



Azalea (*Rhododendron simsii*) – On the left without **RADIGEN** – lack of Copper results in reduced growth and bud formation, and progressive leaf fall. On right – with **RADIGEN**.

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RADIGEN®

**Slow-Release Micronutrient Fertiliser
for Use in Professional Horticulture**



- **Essential micronutrients in the correct balance for quality plants**
- **Controlled nutrient supply throughout the growing season**
- **No risk of salt stress**
- **No risk of loss by leaching**
- **Cost-effective nutrition**



Micronutrient Deficiency – a Growing Problem

Optimising the supply of the major nutrients (NPK) is not on its own enough to produce the top-quality plants demanded by today's customers. Such problems as uneven shape or poor flower induction in ornamentals, lack of vigour in nursery stocks, or reduced storage life in vegetable or fruit crops indicate that more attention needs to be given to micronutrient supply throughout the life of the plant. This additional nutrition must be both cost-effective and easy to use.

The slow-release micronutrient fertiliser **RADIGEN** successfully meets these requirements. **RADIGEN** provides balanced, cost-effective micronutrient nutrition for both greenhouse-grown and outdoor plants. It is suitable for use in **all** growing media whether based on peat, bark humus, or compost, or peat-based substitutes such as wood fibre.

Solve your Micronutrient Problems in one Operation

RADIGEN provides a long-term source of micronutrients ensuring the successful production of potted plants, cut flowers, young plants and bedding plants. Its proven long-term effect gives **RADIGEN** distinct advantages for containerised nursery stock. **RADIGEN** releases its nutrients slowly, at a rate similar to that of uptake by the plant. Levels of nutrient available in the soil at any one time are therefore limited, and plant damage due to excess levels of available fertiliser avoided. **RADIGEN** is recommended for use even where fertilisers which incorporate micronutrients are used, since in most cases these micronutrients are completely water-soluble and cannot provide an effective long-term supply.

What is so special about RADIGEN?

RADIGEN contains Iron, Copper, Manganese, Molybdenum, Boron and Zinc in various chemical forms

guaranteeing a steady flow of essential micronutrients for several months, coupled with an immediate start-up effect. The important nutrient Iron is present in several chelated forms giving extended availability – a feature of great importance for plants grown under cool conditions and those with a special need for this nutrient.

RADIGEN also contains micronutrients in the form of **metal alloys**. These provide a highly efficient micronutrient source. Their action is largely independent of soil pH. They are insoluble in water and release their nutrients by very gradual breakdown when in the growing medium. Nutrient loss through leaching is thus minimised, as is any effect on salt levels in the substrate. For species such as Azaleas, which are particularly sensitive to salt levels in the growing medium, the use of **RADIGEN** is therefore highly advantageous.

RADIGEN – Use with NPK Fertilisers

RADIGEN easily combines with both standard and slow-release NPK fertilisers to ensure a steady supply of trace elements throughout the whole growth period - an important aspect of successful horticulture. Due to the small quantities required for optimal growth **RADIGEN** is economically very attractive. Professional growers value the safe and steady supply of micronutrients provided by **RADIGEN**, enabling them to spend more time on other important aspects of management.

Duration of Effect and Method of Use

RADIGEN is effective for at least six months under glass-house conditions and at least twelve months when used outdoors including container-grown plants in nurseries. **RADIGEN** is a free-flowing powder. It mixes easily with the substrate. It is suitable for both hand and mechanical mixing. For repeat treatments or for surface application either lightly incorporate **RADIGEN** into the soil surface, or wash it in by intense irrigation.

Nutrient Content

EC FERTILIZER Mixture of trace elements

2.0 % Fe	iron total content, thereof 0.9 % Fe as chelate of EDTA 0.9 % Fe as chelate of HEDTA
1.5 % Cu	copper total content
1.0 % Mn	manganese total content
0.8 % Mo	molybdenum water soluble molybdate
0.6 % B	boron total content
0.5 % Zn	zinc total content
5.0 % MgO	magnesium oxide

To be used only where there is a recognized need.

Application Rates

Crops with a short growth period or or low nutrient demand	10 g/m ² or 100 g/m ³ substrate
Crops with average nutrient demand	10 – 15 g/m ² or 100 – 150 g/m ³ substrate
Cut flowers and crops with high nutrient demand	15 – 20 g/m ² or 150 – 200 g/m ³ substrate
Perennials and container-grown plants	20 g/m ² or 200 g/m ³ substrate
Vegetables, Vineyards, Orchards	100 – 200 kg/ha