



# grazers

helping plants to help themselves



## Company Background & Environmental Philosophy

In the 1990's the original Grazers formulation was discovered by a crop nutrition company whilst developing a foliar application of trace elements for farm crops. It was found that rabbits, pigeon and deer were so averse to grazing the healthy crops treated with this specific calcium mixture that in the year 2000 the company Grazers was formed to provide a refined product to assist farmers and growers affected by these pests.

In the early 2000's the Tebb Roger family, with a strong environmental philosophy, took on the challenge and progressed the business, promoting the Grazers G1 formula both into UK agriculture and horticulture as well as into the amenity and retail markets. International sales to Europe began soon after, as news spread.

In the 2010's the company grew steadily with increasingly enthusiastic customers discovering the Grazers product. At the same time, with various crop and pest trials, further products were added to the Grazers range to assist plants against the grazing by slugs and other invertebrates. Grazers G2 and Grazers G3 products were perfected and launched into the home and garden market, followed by Grazers G4 in 2018.

**From the outset, Grazers always sought to produce a product range that was totally safe to nature, not just to humans, their crops and their pets, but to all wildlife. Importantly this includes the very pests that the products are seeking to keep away from the plants, as they play an important part in natural food chains.**

Our products  
**DO NOT**  
kill

## Grazers Content and Mode of Action

(we support the ecosystem)

All four products in the Grazers range are in liquid form and based around the plant nutrient calcium (the CaCl form), combined with a natural adjuvant of a plant extract to improve its plant action. The content of individual Grazers products differ in the amounts of these co-formulants, each depending on the circumstance, so orientated towards the pests' grazing method and the plant type.

This specific mix of calcium and adjuvant only works to keep away grazing pests when it is applied to the photosynthesising leaves, stems or flowers of any plant, thereby interacting with the plant's own metabolic processes. When the Grazers solutions are applied, they both cover the leaves and stems and are absorbed into the plant cells, resulting in a 'plant mediated effect' of **making the plant unappealing to pests**. The newest leaf or two formed after Grazers application is expected to be assisted by the translocated calcium.

Using a human term of reference, when Grazers is applied to a plant it makes it seem 'bitter' or unappetising to the attacking grazing pest, therefore unappealing for the pests to eat, so they look elsewhere for their food.

Like all safe and good biologically-active products, this effect does not last forever, because it is a normal plant nutrient and therefore naturally dissipates within the plant. In the meantime however, plants applied with Grazers are given the very best chance to establish, thrive and overcome their pests.

**So, by applying the Grazers we are in effect 'helping our plants to help themselves', giving them the strength to flourish. At the same time, we are also leaving their pests healthy for consumption by their own natural predators, such as the birds, hedgehogs, frogs, and toads etc. In turn the safer environment attracts more wildlife to area, which will eat yet more pests.**

### Application

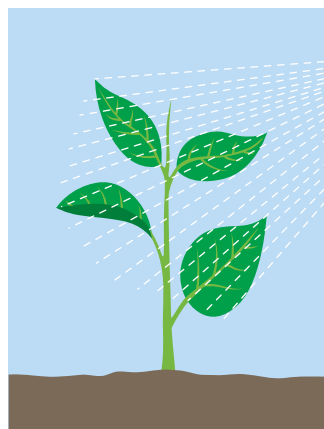
1. Apply a fine mist all over, including under leaf.
2. Calcium covers the plant and starts to enter the leaves.

### Coverage and translocation

3. Calcium on the leaf remains unless there is heavy rainfall.
4. Translocation of calcium to the next new leaves occurs.

### Activity and subsequent applications

5. New leaves will have some level of assistance.
6. Further shoot growth needs Grazers coverage.
7. After time, all of the plant will need further application.



## Application Methods & Key Advice

Grazers products are all liquids, either supplied in a concentrate form to be diluted before application, or in a 'ready to use' diluted solution. Instructions for use are provided on the individual containers, though it is always important that the Grazers application, for any of the pest groups, is made in advance of expected plant attacks.

Using a fine mist of liquid, the product should be applied to cover any parts of the plant that might be imminently attacked by the pest. Application does not need to be heavy (to avoid product waste), though it does need to be thorough in its coverage (apply to leaf run-off), across the full plant to ensure its action is most effective.

### There is some key advice for achieving the most successful Grazers applications:

- 1 Anticipate the pest - proactively apply the product prior to significant plant grazing or egg laying**
- 2 If pest numbers are very high, weather poor or plants growing very fast - increase application frequency**
- 3 Take the opportunity to accumulate the product on the vulnerable part of plants prior to peak grazing**  
(For example, onto brassica plugs prior to transplanting, or rose / tree buds before deer discover them)

## Expected Outcomes and Benefits

### Effectiveness:

- ✓ Pests are dissuaded from attacking plants with Grazers applied with effects lasting for up to 3 to 4 weeks
- ✓ As a consequence, the plants grow more vigorously, whilst also getting the benefits of calcium nutrients

### Wildlife and Nature:

- ✓ Removes, or greatly reduces, the need to use other environmentally damaging products or methods
- ✓ Natural plant pests find other food sources locally, themselves remaining part of the food chain
- ✓ Hedgehogs, songbirds and other wildlife such as amphibians are not under threat from chemicals

### Cost Reduction:

- ✓ Easy to apply Grazers products are inexpensive to use, especially when acquired in the concentrate form
- ✓ Other significant costs of losing plants or using conventional crop protection methods are greatly reduced

## Products...

### G1 RABBITS, PIGEONS, DEER & GEESE

### G2 SLUGS & SNAILS

### G3 CABBAGE WHITE BUTTERFLIES, CATERPILLARS & APHIDS

### G4 LILY BEETLES

### Product Availability

Grazers products are available from an increasing number of garden centres together with agricultural distributors as well as online and from Grazers. Please ask your local stockist for availability or contact Grazers for more information or use the online local stockist locator.



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**Saving the small things  
that run the planet**

