Foliar Feed for Rose Plants,
available in a ready-to-use or concentrated formulations

Description
This is a unique product, rigorously researched over several years, that has been specifically designed to give roses the best opportunity to thrive and flourish to their maximum potential, just as their breeder intended.

Objective
Feed & Shine Roses is formulated with selected nutrients, that top-up the feed they get from the soil, combined with specific plant oils, seaweed extracts and leaf surfactant, in a well tried and tested formulation for optimum plant performance.

Benefits
Roses are notorious not only for their beautiful blooms but also for their susceptibility to various diseases and leaf blemishes which are most common when the plants are in full growth, putting pressure on their natural defences. When this occurs, leaf diseases such as rust, mildew and blackspot become more prevalent and lead to unsightly leaves.

The Feed & Shine Roses product works by ensuring the rose plants have all the nutrients they require for full nourishment at all stages, together with the necessary assistance from oils and plant extracts that mitigate the risk of attack from fungi and bacteria.

Micronutrients have a well-documented effect of giving strong and healthy plant growth, whilst efficiently preventing iron, copper, magnesium, manganese and zinc deficiency.

The included plant oils give the leaves a beautiful appearance, protect them against wind and weather to help keep them dry and less susceptible to diseases taking hold.

The surfactant ensures that the plant fully absorbs the nutrients more fully and efficiently.

+ Environmentally Friendly
An extra benefit is to the environment, as Feed & Shine Roses takes away the need for routine chemical applications and is therefore more beneficial to its surroundings.

Evesham Site: Layout 2018

Making Assessments

From trials data, the recommended applications:
- Plant type: All types of Rose plants, except for the Rosa Rugosa group
- Dosage: Spray lightly on all leaves up till run-off
- Rate: every 7 – 10 days* during, and 2 weeks before, the growth season
- Seasonality: May to September
- Conditions: Apply to dry leaves, in dry weather though NOT in direct sunlight.
- Mixing ratio: 1: 100 * [0.5 litres concentrate mixed in 50 litres of water]
- NB 1 cap full (30 ml) is enough for 3 litres of water
- Methods: Shake mixture well before dilution
- Apply using a garden sprayer with a nozzle for a fine droplet size
- Once diluted, use mixture within 8 days
- Storage: Keep the concentrate product in a frost-free place

* An alternative application rate is every two weeks, though with a mixing rate of 1:50. For instance; in adverse weather situations, until normal weather conditions resume.

Feed & Shine Roses: Contents

Non plant nutrition:
- Tea tree oil 0.50%
- Citronella oil 0.50%
- Clove oil 0.50%
- Seaweed extract 1.75%
- Surfactant 15.0%

Nutrients:
- Nitrogen (urea N) 6.0%
- Iron (chelated/ soluble Fe) 0.10%
- Magnesium (chelated / soluble Mg) 0.40%
- Manganese (chelated / soluble Mn) 0.20%
- Zinc (chelated / soluble Zn) 0.20%
- Copper (chelated / soluble Cu) 0.25%

pH value: 7.5
Colour: Green

Order number:	30650	30660	30670
Volume:	750 ml	500 ml	5 L
Number per carton	12	12	4

Final Assessment
(late season – end August 2018)
Three plant replicate
comparisons. Variety A
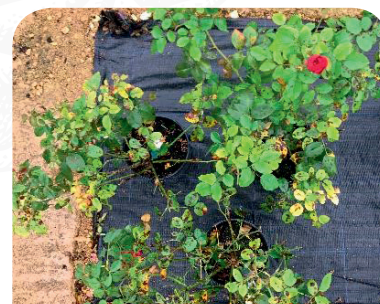

Untreated control

TRIAL DATA:

Experimental trials conducted on the product by independent research

Two replicated trials on Roses were conducted in 2018 and 2019, which culminated in demonstrating very good product efficacy, as recorded below:

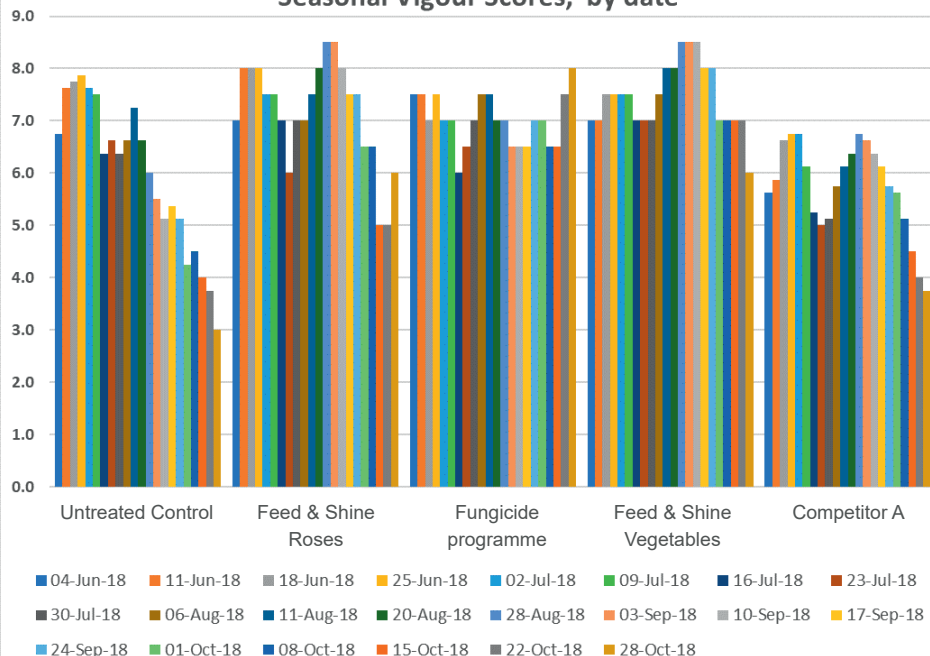|	
Plants:	Roses (Commercial / sensitive varieties)
Type:	4 Varieties, 5L pots (from bare root)
Numbers:	84 plants (3 x 4 varieties / treatment)
Treatments:	7 Untreated Control, 4 rates and 3 competitors
Replicates:	12 plants each treatment
Final Conclusions:	No phytotoxicity on treated plants
	Lower disease incidence with F & S
Site:	Evesham Nursery, UK
Dates:	May to October 2017 & 2018
Assessments:	- Plant vigour scores
	- Phytotoxicity
	- Disease incidence
	- Flowering
	- Root growth scores
Graphs (below):	Positive growth benefits from application of Feed & Shine Roses, with greener leaves

Feed & Shine weekly

Seasonal Vigour Scores, by date

Categories: Untreated Control, Feed & Shine Roses, Fungicide programme, Feed & Shine Vegetables, Competitor A

Legend: 04-Jun-18, 11-Jun-18, 18-Jun-18, 25-Jun-18, 02-Jul-18, 09-Jul-18, 16-Jul-18, 23-Jul-18, 30-Jul-18, 06-Aug-18, 11-Aug-18, 20-Aug-18, 28-Aug-18, 03-Sep-18, 10-Sep-18, 17-Sep-18, 24-Sep-18, 01-Oct-18, 08-Oct-18, 15-Oct-18, 22-Oct-18, 28-Oct-18
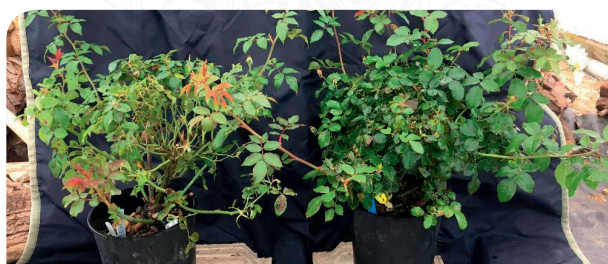

Chemical programme

LEFT: Untreated control - RIGHT: F&S fortnightly
Variety: A

Foliar and root comparisons of different treatments at the conclusion on the 2018 trial.
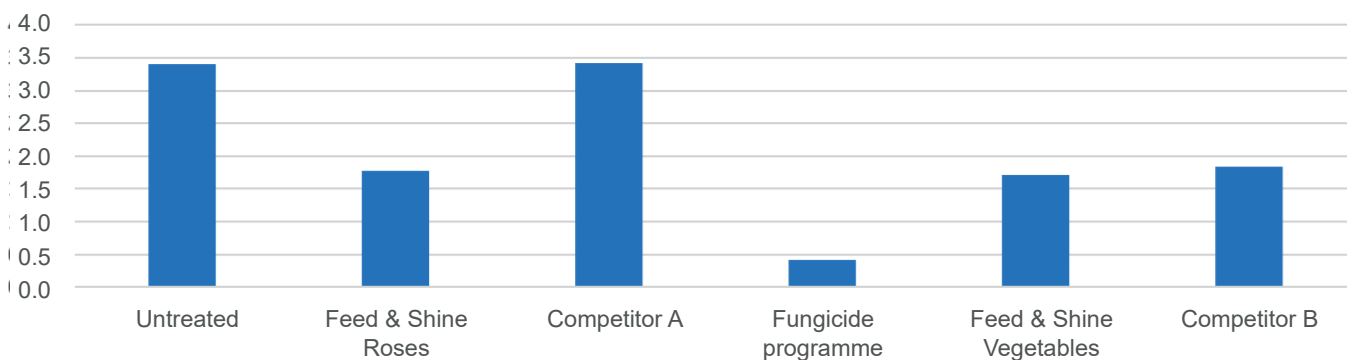

LEFT: Untreated control - RIGHT: F&S weekly
Variety: B

LEFT: Untreated Control - RIGHT: F&S fortnightly
Variety: C

Average Black Spot Scores

Categories: Untreated, Feed & Shine Roses, Competitor A, Fungicide programme, Feed & Shine Vegetables, Competitor B

Average # Flowers, over whole trial

Categories: Untreated, Feed & Shine Roses, Competitor A, Fungicide programme, Feed & Shine Vegetables, Competitor B