

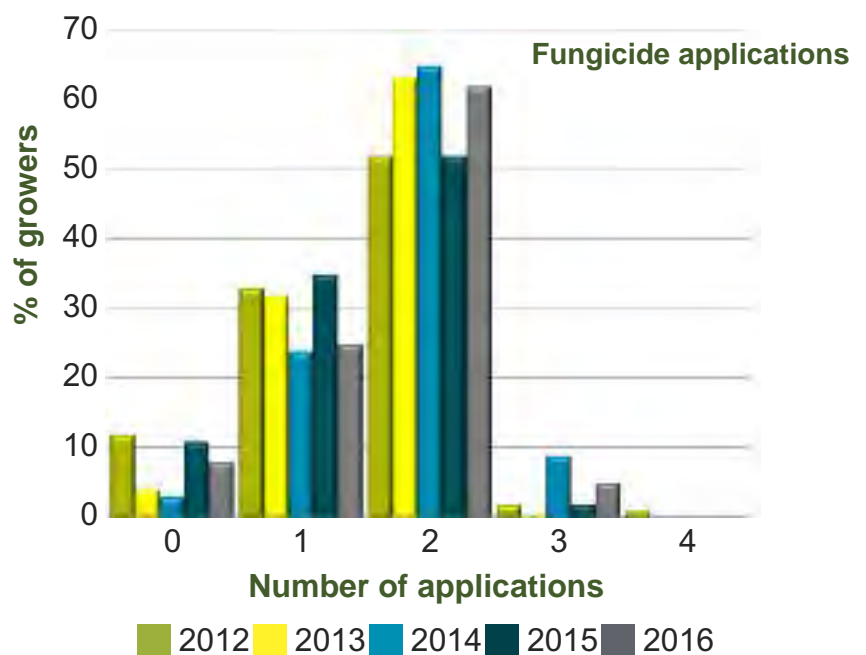
Fungicide Strategy

Key Points:

- ▶ Always use an approved triazole or strobilurin fungicide at full dose for the first application for optimum disease control.
- ▶ Use two sprays when there is a risk of further disease development (e.g. rust) or when the crop is to be harvested from October onwards.
- ▶ On a typical crop harvested in November the first spray provides a 6% yield increase, on average. The second spray provides an additional 7% (a 13% yield increase from a two spray programme at 2017 beet price of £22.00* would provide an **increased revenue of £200/ha** based on a 70t/ha crop).

**Beet price before any market bonus.*

Current crop situation:



Source - Crop Survey 2012 - 2016

If powdery mildew is the main problem apply a product with good control of the disease.
For further information please refer to Disease Control Charts on page 51-52.

If one application is planned choose a broad spectrum product.

The BBRO Bulletins will advise on the threat and extent of foliar disease through the season and the timing of fungicide sprays.

Always use an approved triazole +/- strobilurin at full dose for the first application for optimum disease control.

Fungicide recommendations

- Disease control and yield benefits from one and two spray approach.
- Depending on season there are differing yield responses in BBRO trials (refer to pages 29 and 30) following T0 or T3 fungicide applications.
- Maintaining canopy is an important consideration.
- Early warning system for foliar diseases is being developed (e.g. SPOREID project).



One Spray

- ▶ For early harvested crops (harvested before October).

Two Sprays

- ▶ For crops harvested from October.

Three Sprays

- ▶ Potential benefits for canopy development/longevity.
- ▶ To be further evaluated in sequentially drilled trials.
- ▶ Be aware of specific label restrictions for application. For example: You must not apply more than two foliar applications of products containing Sterol Biosynthesis Inhibitors to any sugar beet crop.

Fungicide Strategy



Most recent results of the BBRO fungicide trials are shown on the page opposite. The trials investigated a number of different spray timings and with two different harvest dates.

The graphic below shows the spray timings for each of the trials.



Adjusted t/ha yield gain (over untreated control)

