



Horticultural
Development
Company

Grower summary

FV 355

Broad beans: fungicide
programme for chocolate spot
control

Final Report 2010

Disclaimer

Whilst reports issued under the auspices of the HDC are prepared from the best available information, neither the authors nor the HDC can accept any responsibility for inaccuracy or liability for loss, damage or injury from the application of any concept or procedure discussed.

The results and conclusions in this report may be based on an investigation conducted over one year. Therefore, care must be taken with the interpretation of the results.

Use of pesticides

Only officially approved pesticides may be used in the UK. Approvals are normally granted only in relation to individual products and for specified uses. It is an offence to use non-approved products or to use approved products in a manner that does not comply with the statutory conditions of use, except where the crop or situation is the subject of an off-label extension of use.

Before using all pesticides check the approval status and conditions of use.

Read the label before use: use pesticides safely.

Further information

If you would like a copy of the full report, please email the HDC office (hdc@hdc.org.uk), quoting your HDC number, alternatively contact the HDC at the address below.

Horticultural Development Company
Tithe Barn
Bradbourne House
East Malling
Kent
ME19 6DZ

Tel: 01732 848 383
Fax: 01732 848 498

The contents of this publication are strictly private to HDC members. No part of this publication may be copied or reproduced in any form or by any means without prior written permission of the Horticultural Development Company.

Headline

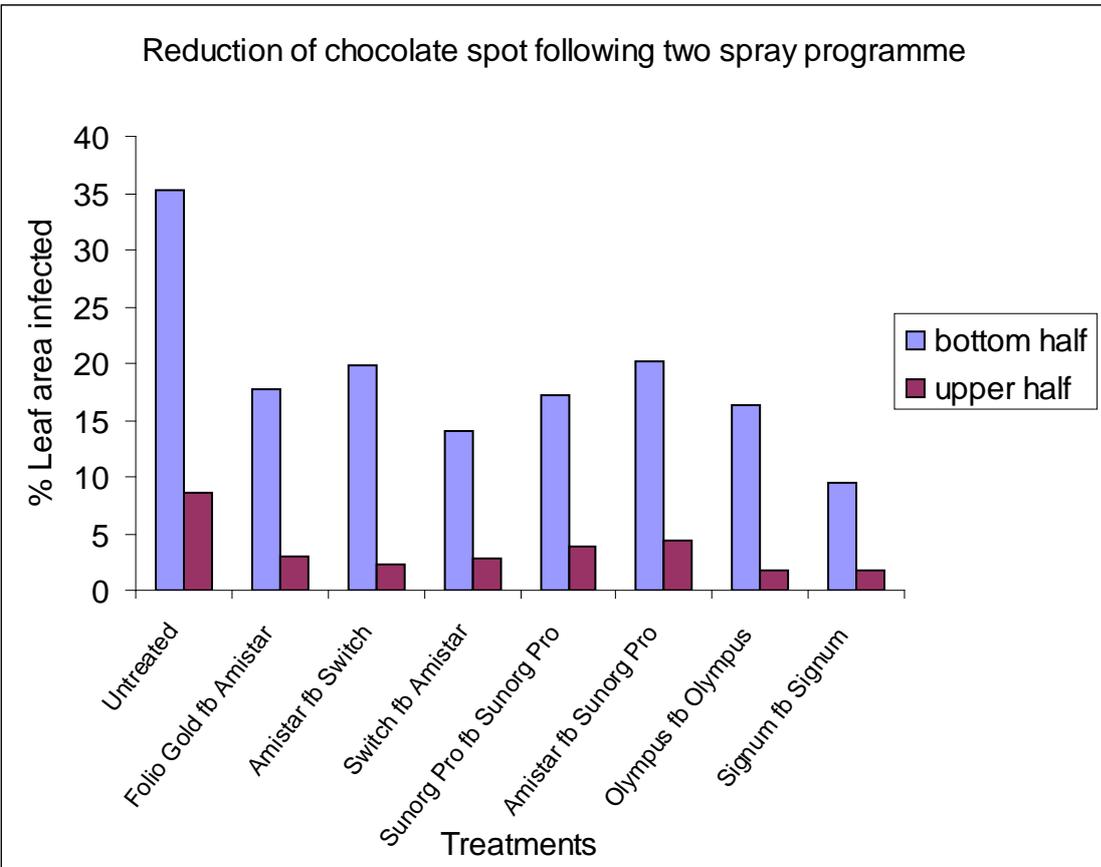
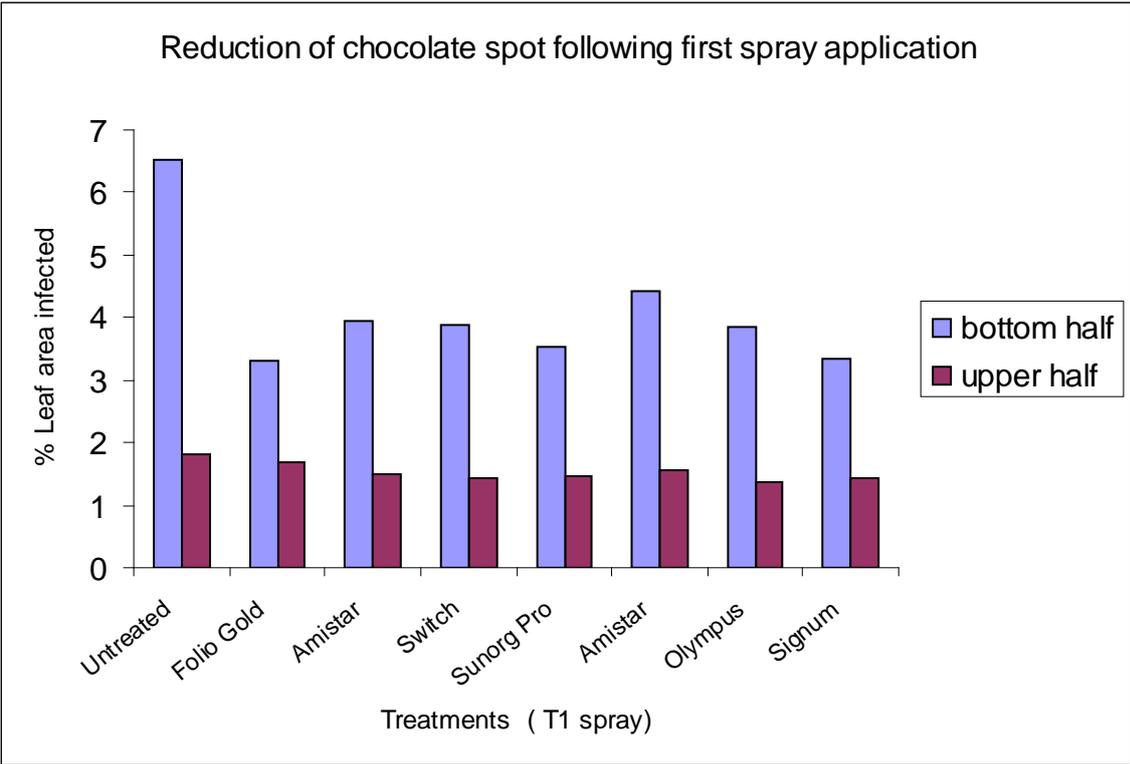
Improved levels of chocolate spot control in broad beans were achieved with two new fungicide products.

Background and expected deliverables

Growers have reported poor control of chocolate spot in broad beans with currently available fungicides. PGRO Processed Vegetable Levy Panel has given the subject a high priority rating in their R&D Priority Strategy for broad beans. The shortage of products available for disease control following the loss of older products together with limited information on the efficacy of existing fungicides led to this work. It was expected that work undertaken would identify suitable products already approved in the UK that would be made available for use on broad beans through a SOLA. An assessment of the value of control programmes is needed.

Summary of the project and main conclusions

Fungicides were evaluated for their control of chocolate spot disease in three trials of commercial broad beans destined for freezing. Of the products tested, Signum applied early or as a two spray programme showed effective control of chocolate spot. The next best treatments were Amistar and Switch and third ranking were two sprays of Olympus. Some control of brown rust was achieved in all cases. Only one of the trials showed significant yield responses following treatments, although disease levels were low overall. Signum has recently gained approval for vining peas and an application for a SOLA on broad beans has been made by the HDC. Olympus is currently awaiting approval for vining peas and a SOLA will be proposed in due course.



Financial benefits

The availability of alternative and more effective fungicides will reduce disease levels, and improve on yield and quality of broad bean crops.

Action points for growers

- Choose the most effective products now available for chocolate spot control
- Switch can now be considered as an effective product and will be useful in conjunction with Amistar in a two spray programme.
- If Signum gains a SOLA it should be applied when chocolate spot is first seen or as the second part of a two spray programme following Amistar, or Switch.
- If approved, Olympus, subject to a SOLA, will be an additional product to consider in the future.