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## **SENSITIVITY AND RESISTANCE OF *CERCOSPORA BETICOLA* TO DIFFERENT FUNGICIDES**

**Sensibilité et résistance de *Cercospora beticola* à différents fongicides /  
Empfindlichkeit und Resistenz von *Cercospora beticola*  
gegenüber verschiedenen Fungiziden**

### **ABSTRACT**

*Cercospora* leaf spot is one of the major diseases in Austrian and Italian beet growing area. Without treatment yield losses up to 30% are common. In samples take from Italian fields in 2010 Strobilurine resistant *Cercospora* (G143A) was detected. Results from field trials in Italy are showing strong decrease of efficacy of strobilurines from 2010 to 2012.

2010 to 2013 trials were established in Austria to test fungicide treatments (DMI, QoI, BMC, and Multi Site A.I.). Beginning with 2012 additional sensitivity tests of *Cercospora* isolates from trials as well as from farmers fields were conducted.

The results from Austria show strong decrease of efficacy of strobilurines from 2011 to 2013. Sensitivity Tests in 2012 found various shares of Strobilurine resistant *Cercospora* (G143A) as well as poor sensitivity to different Triazoles in many cases, in the year 2013 in all sampled fields G143A-Mutation was found, the major part of field had a share of Strobilurine resistant *Cercospora* more than 50%.

Results from field trials show good efficacy of Triazole + Benzimidazole mixtures as well as Triazole + multi site A.I. mixtures.

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