

Improved apple storage with the application of biostimulant Mycorrcin

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Key words

Apples, storage, Mycorrcin, Neobit, Alga Ca

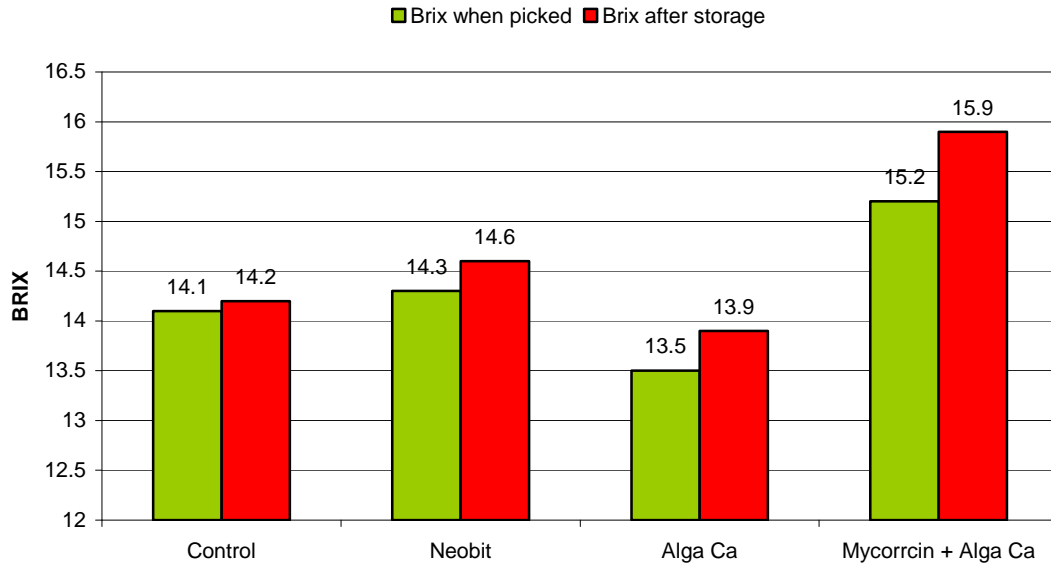
Overview

- Trial was conducted by L.Gobbi Srl in Italy to look into the impacts of Mycorrcin in combination with foliar calcium sprays on fruit storage, colour and defects.
- The treatments used were:
 - 1. Control
 - 2. Neobit – foliar spray containing calcium chloride + boron, 6 applications
 - 3. Alga Ca – foliar spray containing seaweed extract + calcium nitrate
 - 4. Mycorrcin + Alga Ca – Mycorrcin was applied to the soil at 6lt/ha late spring
- Variety used Fuji
- Fruit samples were take at harvest and again after 173 days in storage

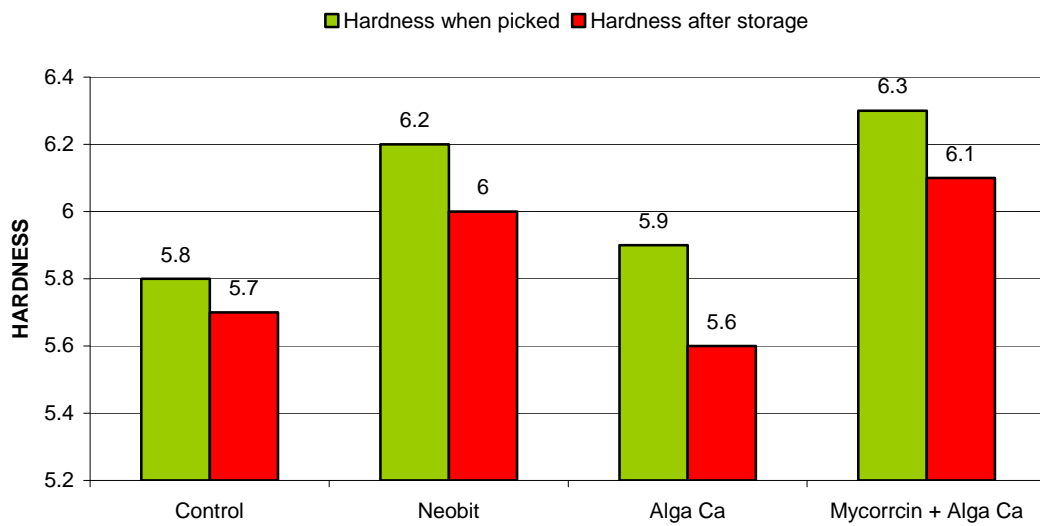


Results

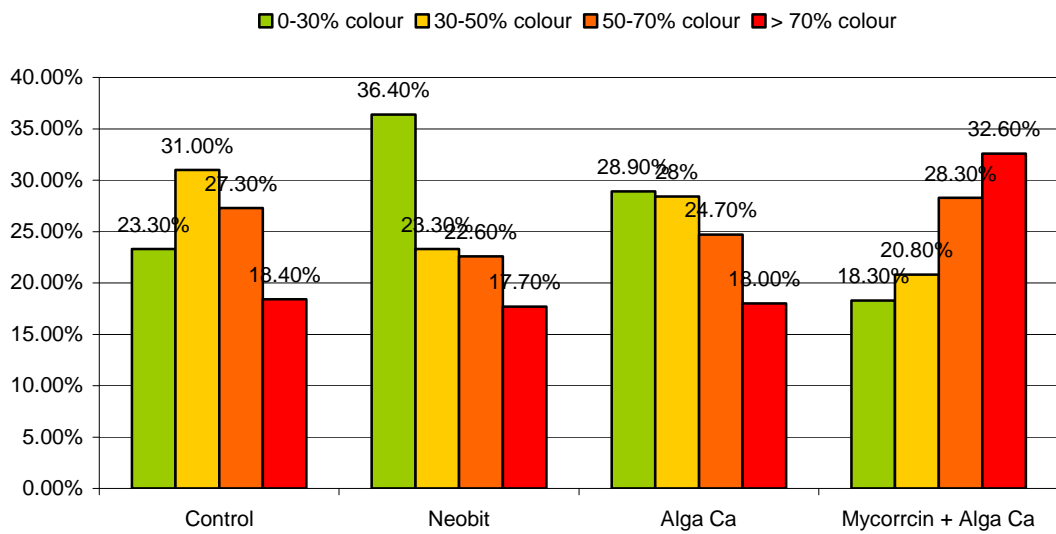
BRIX AT PICKING AND AFTER 173 DAYS IN STORAGE



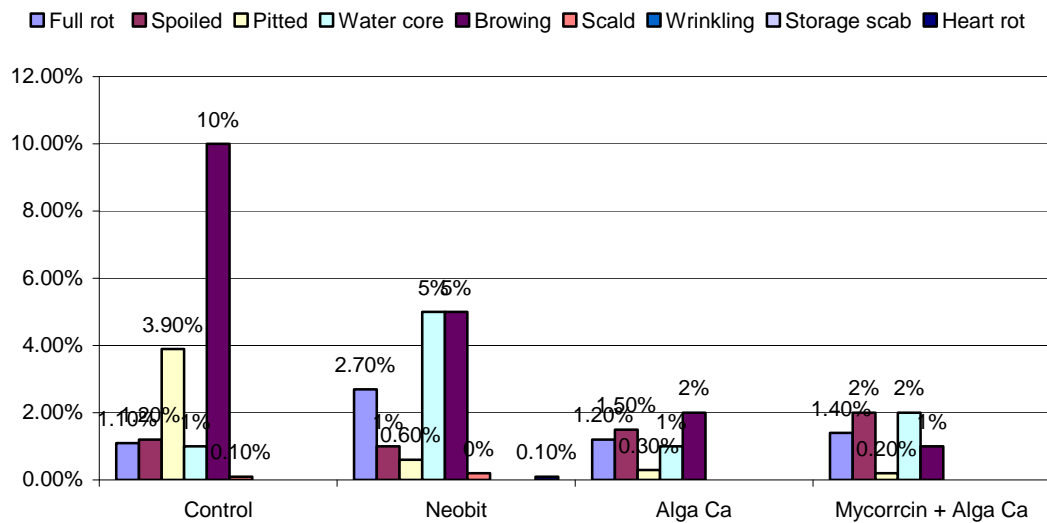
HARDNESS AT PICKING AND AFTER 173 DAYS IN STORAGE



COLOUR AT PICKING



DEFECTS AFTER 173 DAYS IN STORAGE



Conclusion

- The combination of Mycorrcin and Alga Ca increased brix at both harvest and 173 days in storage.
- The combination of Mycorrcin and Alga Ca increased hardness at both harvest and 173 days in storage.
- The combination of Mycorrcin and Alga Ca had the most fruit in the >70% colour band and the lower number of fruit in the <30% colour band.
- The combination of Mycorrcin and Alga Ca and Alga Ca treatments had the lowest over all fruit defects after 173 days in storage.