



The future of sustainable crop protection

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Changing perspective to sustainable ways of growing

- ✦ Healthy plants
- ✦ Monitoring systems
- ✦ Ways of responding

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Sustainable growing methods



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Guideline for healthy plants

- ✦ Resistant/tolarent against pests and diseases
- ✦ Adequate amount of water and nutrients
- ✦ Fitting climate
- ✦ Biostimulants?



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Pests and diseases

✦ IPM



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Adequate amount of nutrients and water



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Fitting climate



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Biostimulants

- ✦ Relatively new
- ✦ Preventative
- ✦ Microbial/non-microbial
- ✦ No admission necessary
- ✦ Moment of applying
- ✦ Difficult to determine the effect

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Monitoring systems



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Ways of responding

- ✦ Mechanical control
- ✦ Biological control
- ✦ Chemical control



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Mechanical control

- ✦ Sticky traps
- ✦ Netting around field
- ✦ Products like Siltac, physical

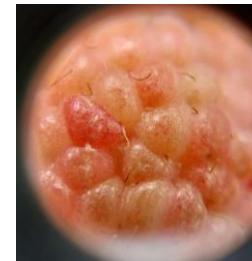


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Biological control

- ✦ Standard in many soft fruit cultivations
- ✦ Macrobiotics
- ✦ Microbiotics
- ✦ Natural products



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Chemical control

- ✦ Last step
- ✦ Selective products
- ✦ Rotation between products, FRAC + IRAC



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Make a plan

- ✦ PDCA → Plan, Do, Check, Act



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Conclusion

- ✦ Monitor the crop
- ✦ Act based on knowledge
- ✦ Evaluate your actions
- ✦ Improve your cultivation based on new experiences, knowledge and research



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Thank you for your attention!



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