



smart
protect
IPM THEMATIC NETWORK

SMARTPROTECT

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AGENSO



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Tools for detecting plant disorders due to pests and diseases

What is?

- Use of applications for detection of any abnormality
 - Pests
 - Diseases
 - Nutritional stress

Allows efficient and integrated
management



How?

- Mobile applications (in smart devices)
- Function by image capturing
- Good quality images
- Correlation of result with database information
- Identification of problem



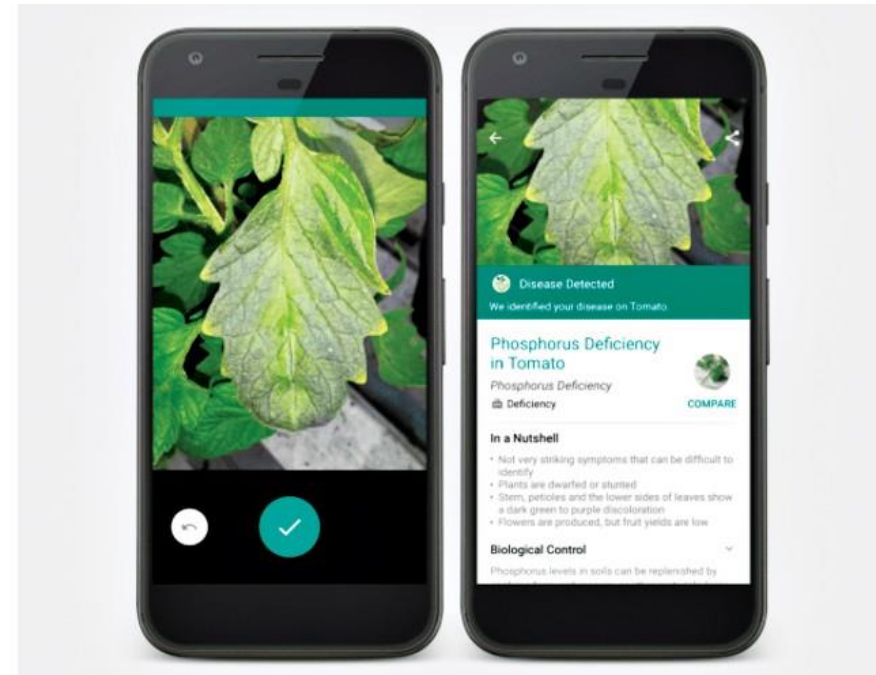
Why? And benefits

- Reduced cost compared to laboratory analysis
- Effective initial tool for screening
- Fast information
- Screening at early stage of infection
- Compatible with **ANDROID** and **IOS** devices (smartphones, tablets)
- Wealth of available crops
- Visualization of result

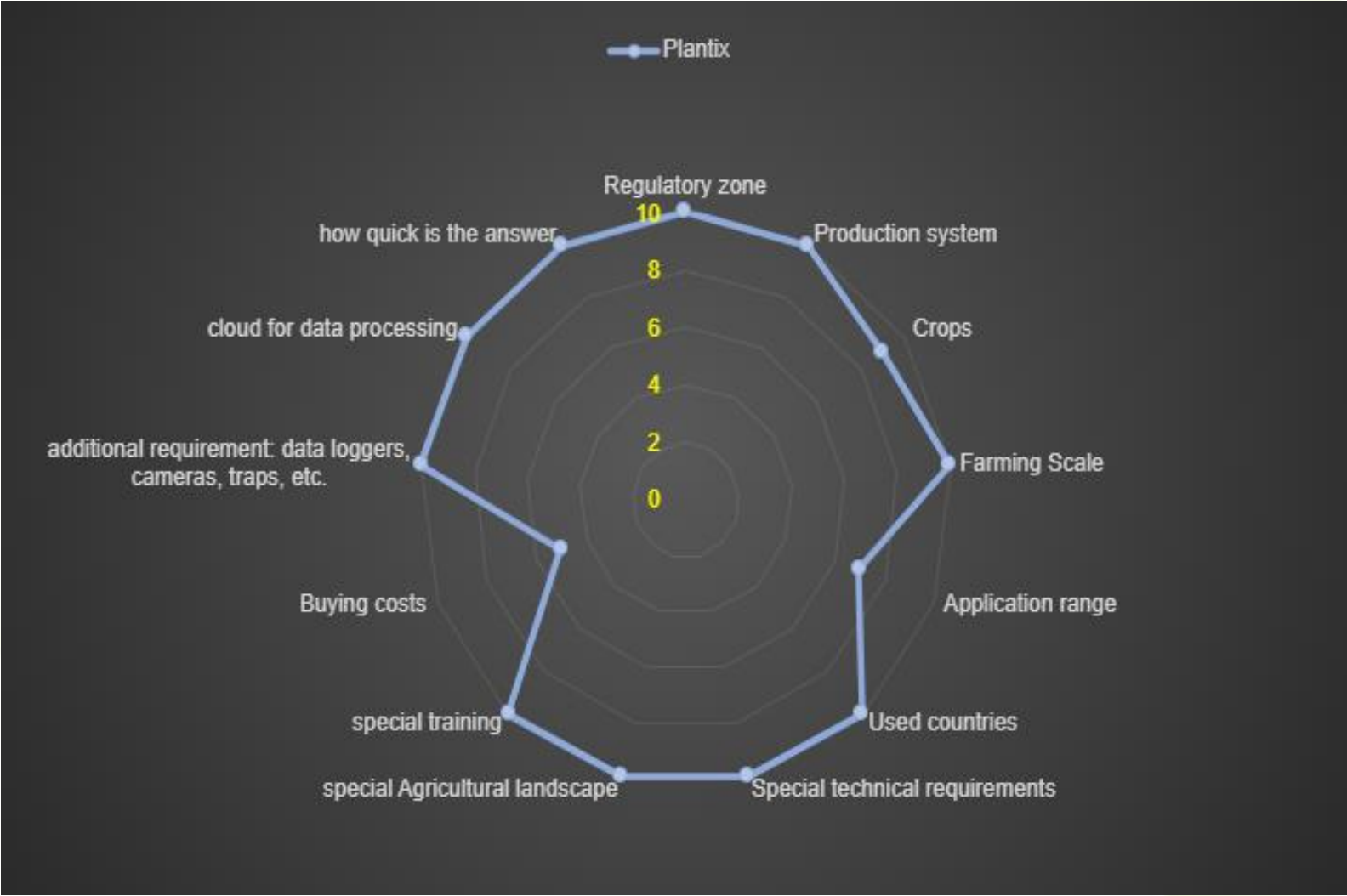


Plantix

- Plantix is a free mobile phone app to identify pests, diseases and deficiencies on crops. Images are uploaded on WhatsApp
- Bell Pepper, Brussel Sprouts, Cauliflower, Cucumber, Head Cabbage, Leek, Lettuce, Onion, Tomato
- Bacteria, Beneficials, Fungi, Insects, Mites, Nematodes, Viruses
- A free version and a paid version depending on the number of crops

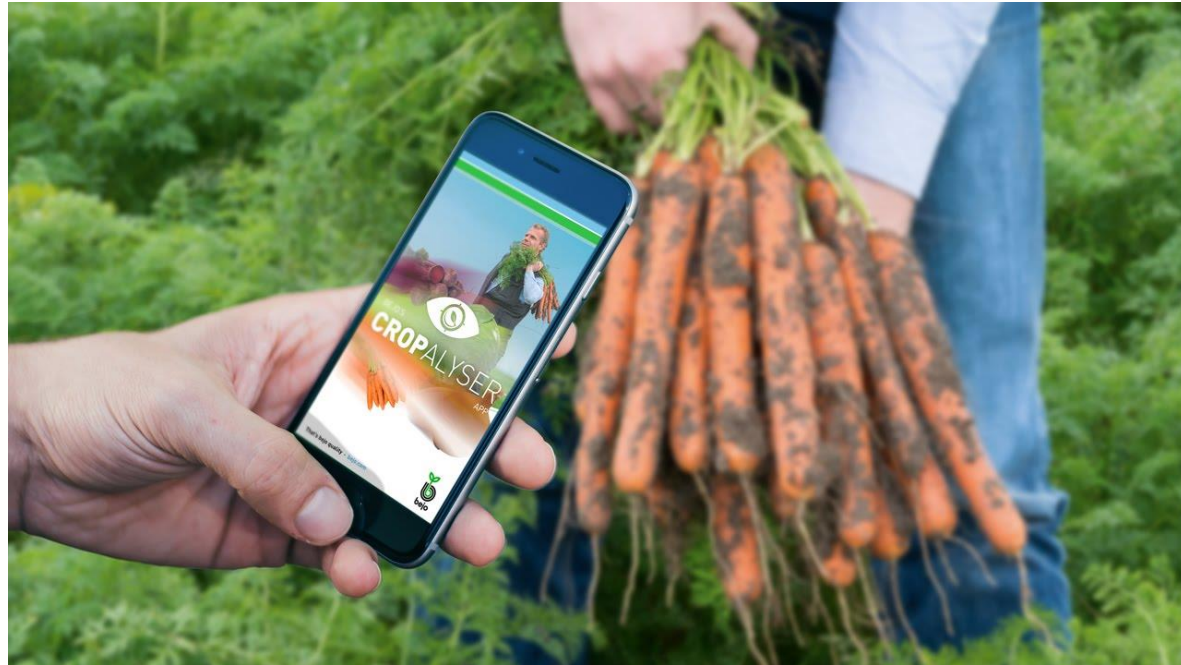


Plantix

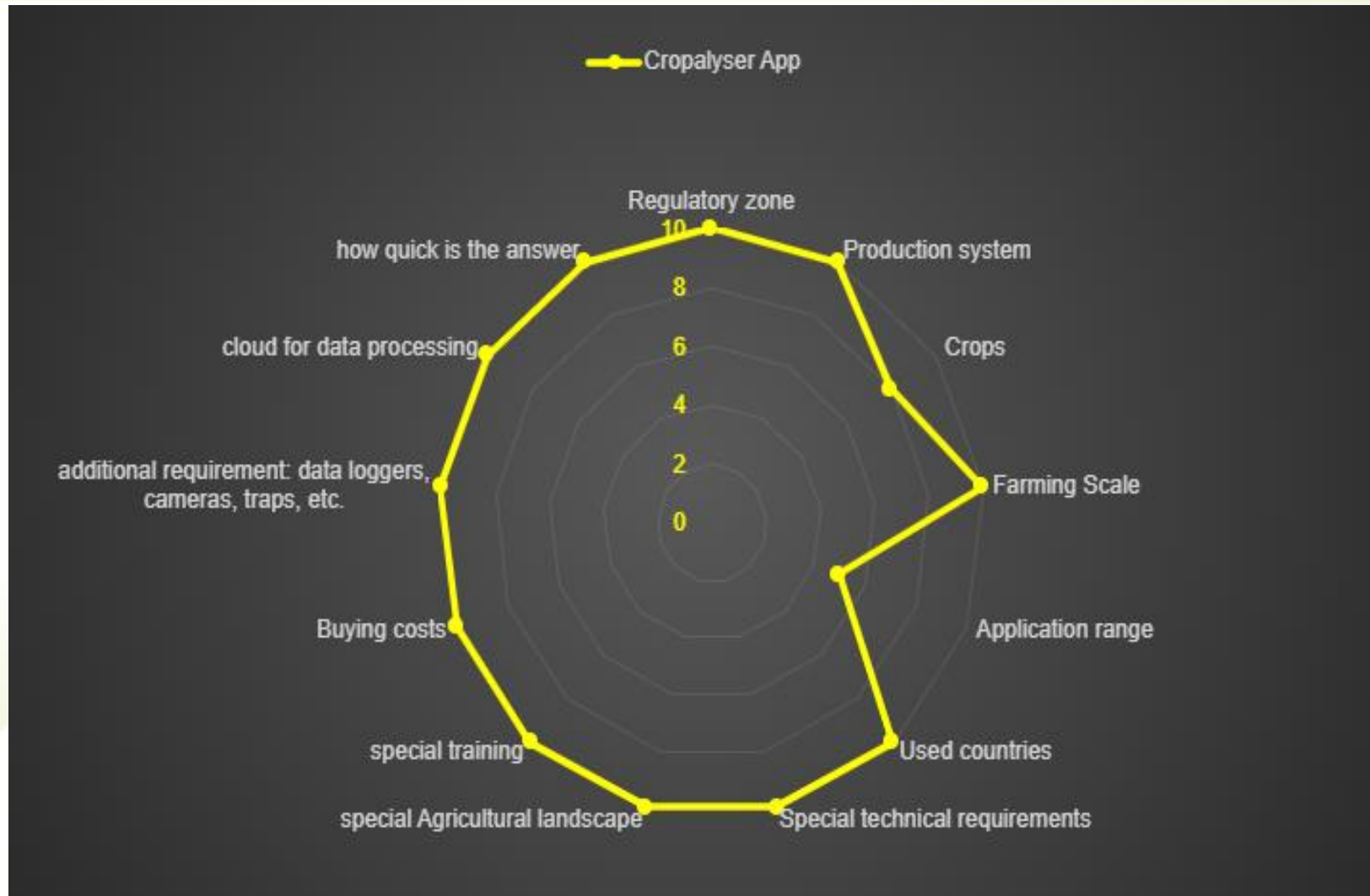


Cropalyser

- Tool to easily identify major pests, diseases and disorders in vegetable crops. Bell Pepper, Brussel Sprouts, Carrots, Cauliflower, Head Cabbage, Leek, Onion, Tomato
- Bacteria, Fungi, Insects, Nematodes, Viruses
- Free

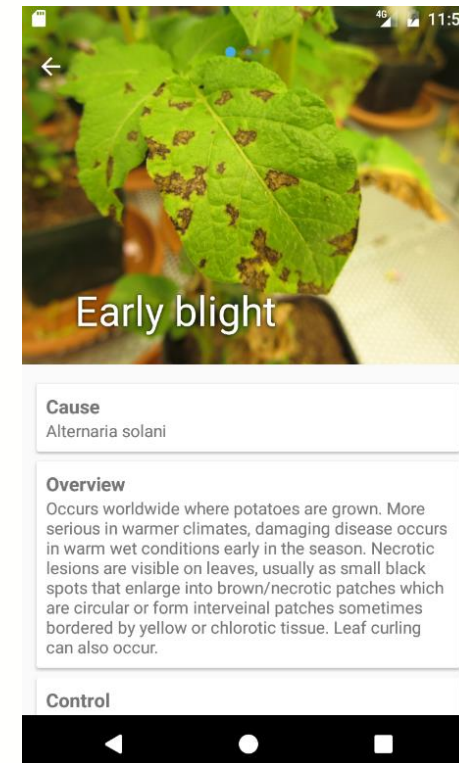


Cropalyser

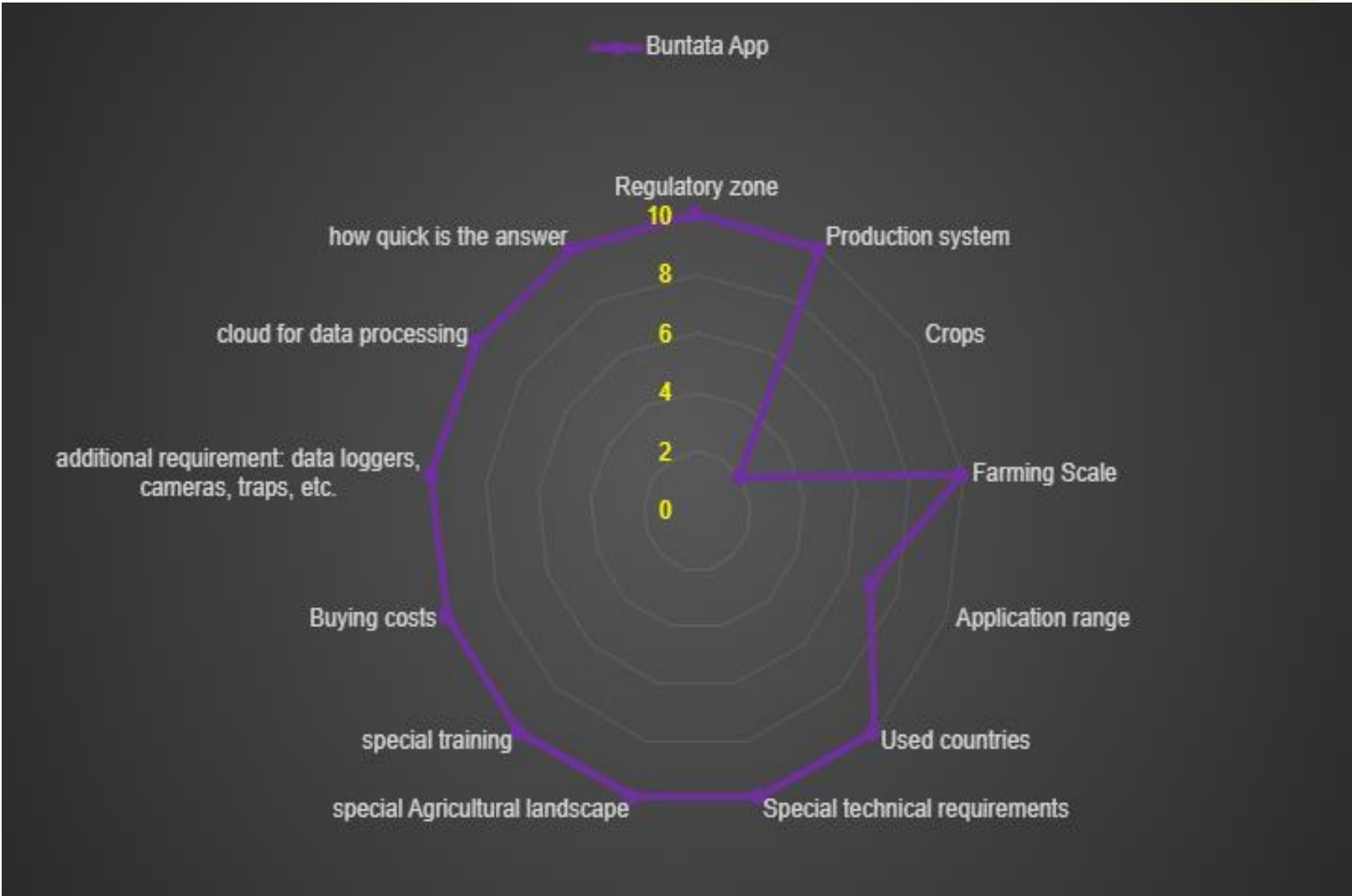


Buntata

- Buntata is an Android application to identify plant pests and diseases displaying example images of symptoms.
- Bacteria, Beneficials, Fungi, Insects, Mites, Nematodes, Viruses
- Potato
- Free

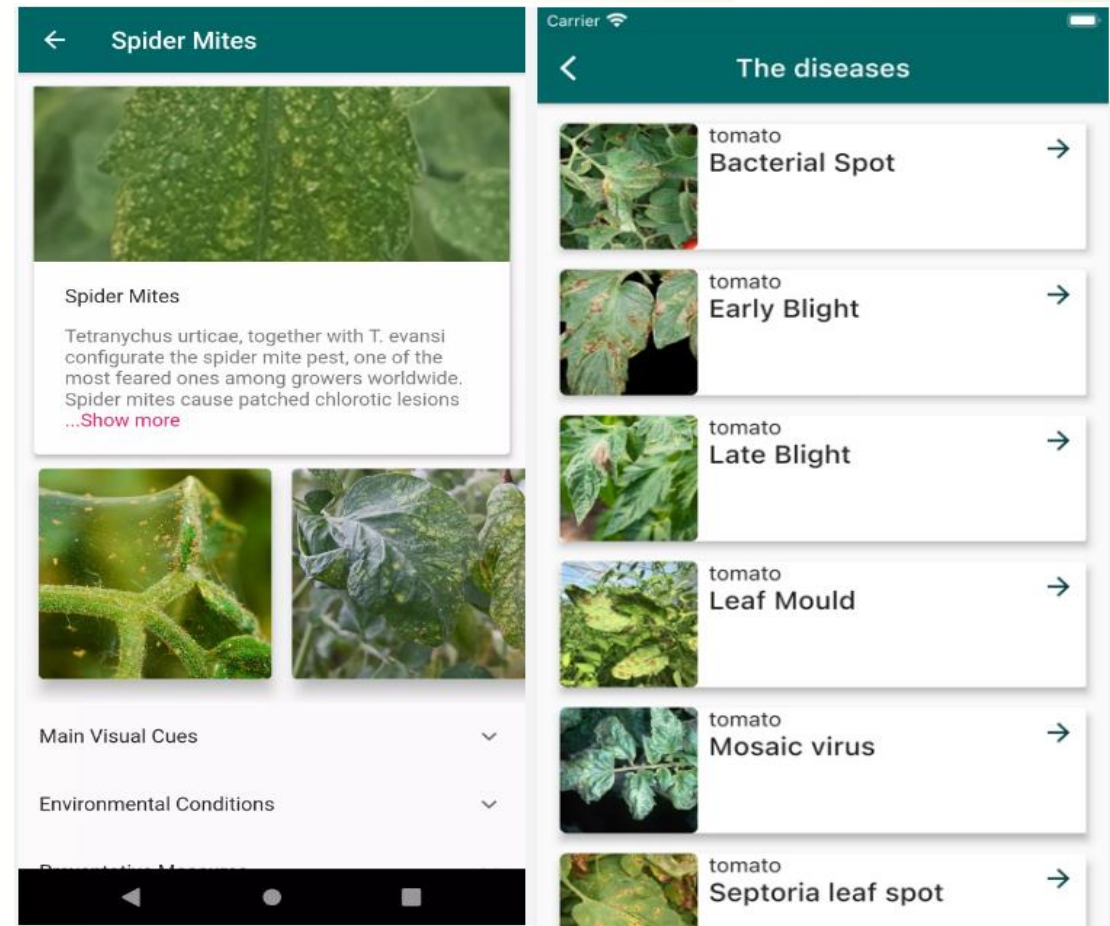


Buntata

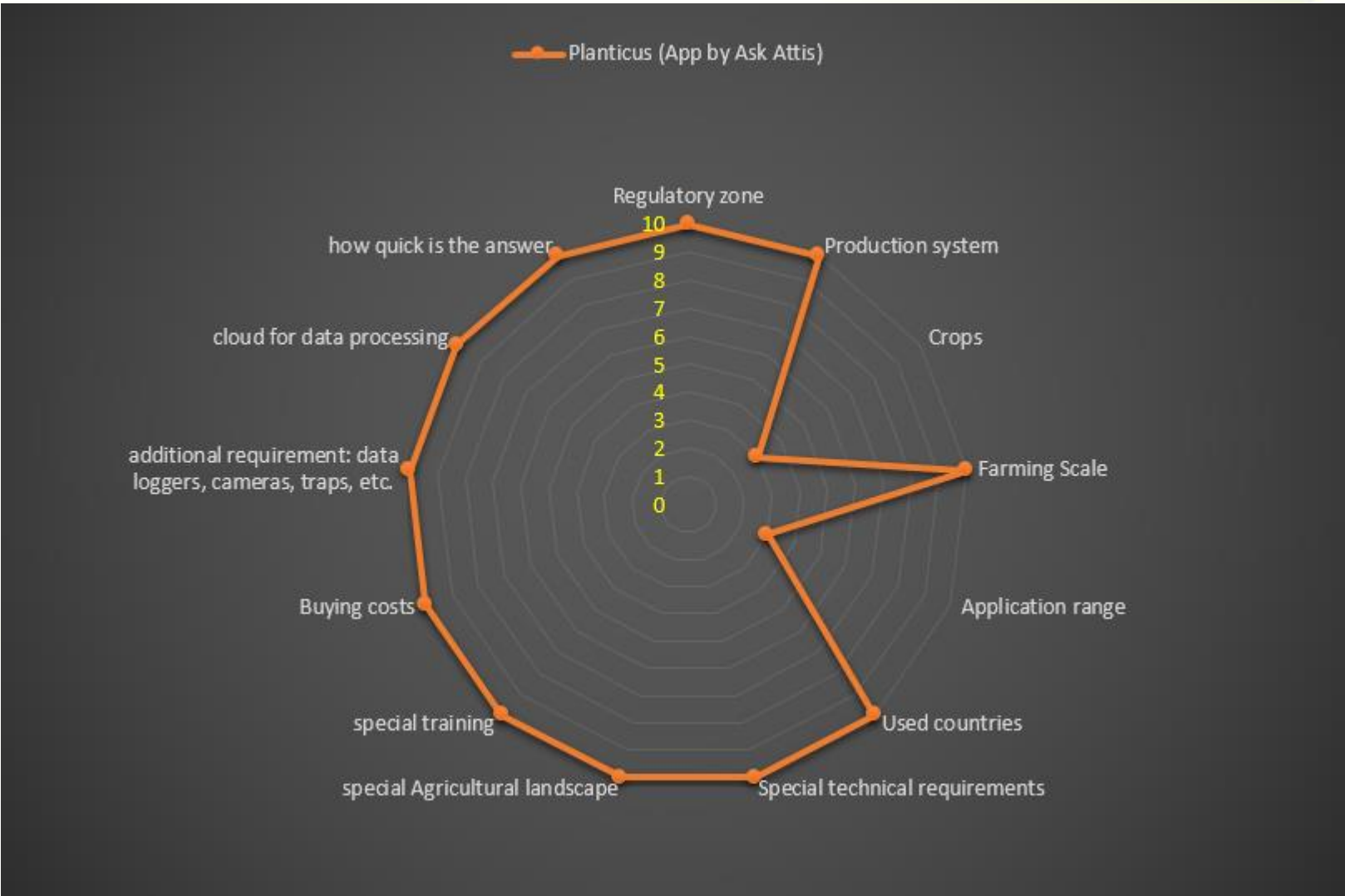


Planticus

- Planticus app in Google Play
- Tomato, Bell Pepper, Cucumber
- Fungi, Insects, Mites
- Free



Planticus

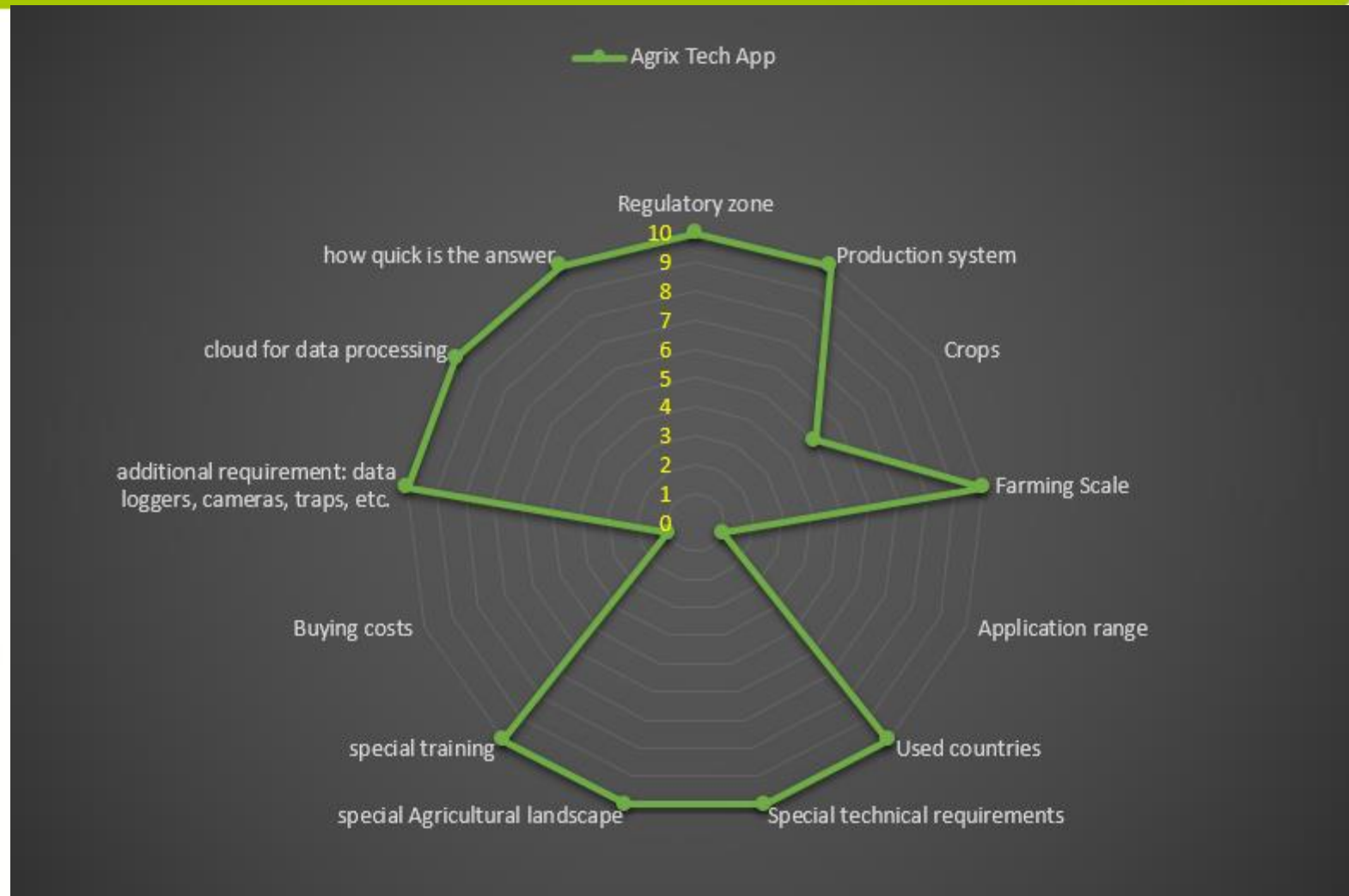


Agrix Tech App

- App detects crop fungal diseases at primary stage and proposes adequate treatment.
- Bell Pepper, Cauliflower, Cucumber, Head Cabbage, Tomato
- 10-15 euro (depending on country)
- Fungi

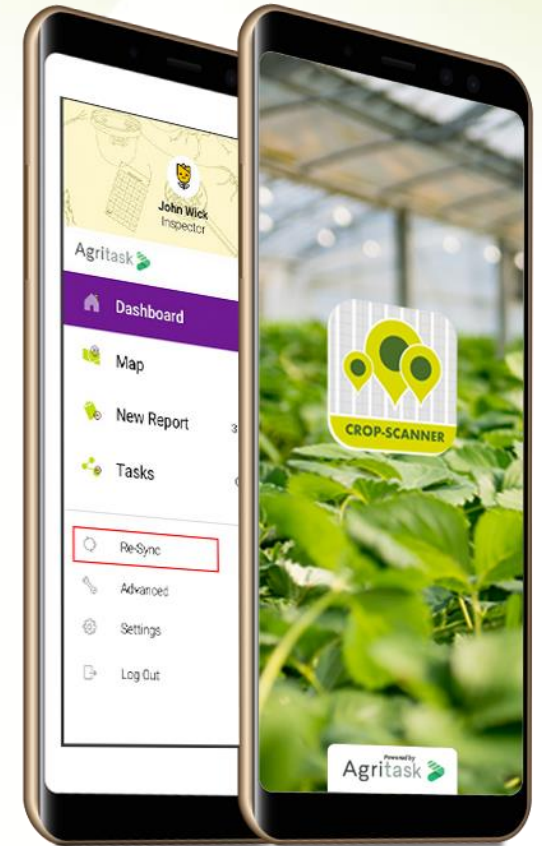


Agrix Tech App

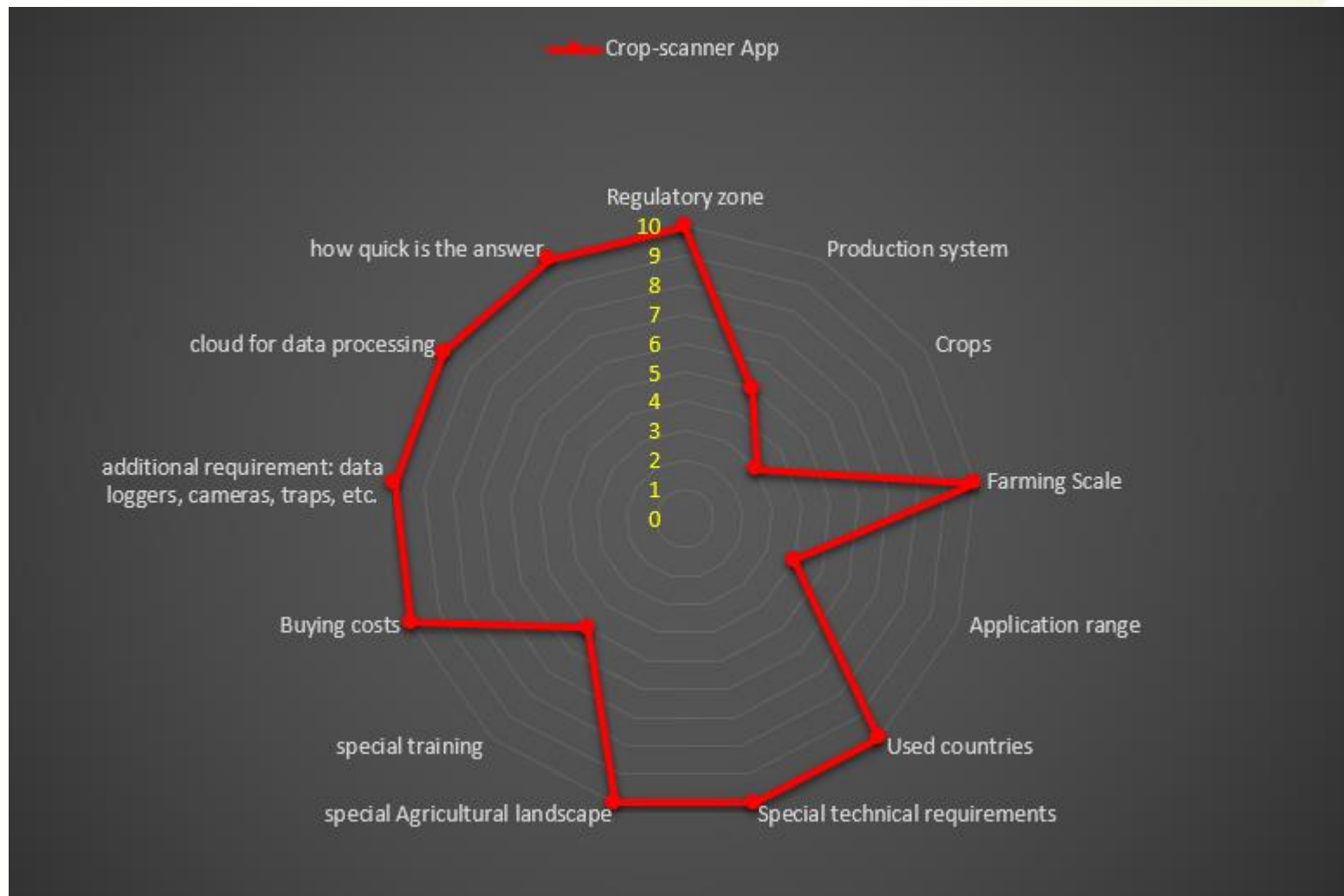


Crop-scanner App

- Fast and direct entry of scouting-data in smartphone or tablet; real-time overview of your greenhouse
- Visualization of pest pressure and population buildup of beneficials
- Extensive data-analysis
- Direct contact with a Biobest advisor for personalized IPM advice.
- Bell Pepper, Cucumber, Tomato
- Beneficials, Fungi, Insects, Mites
- Free

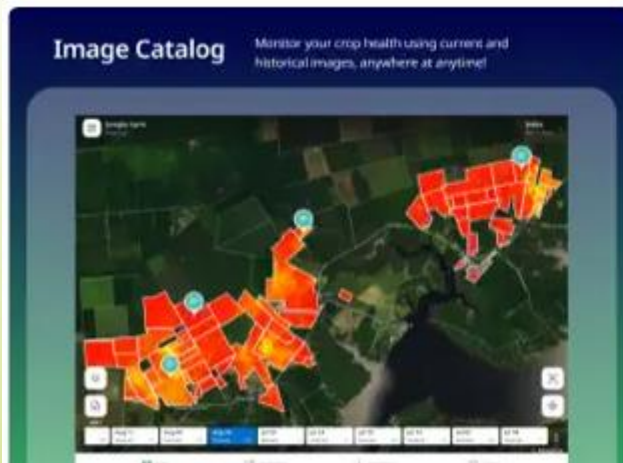


Crop-scanner App

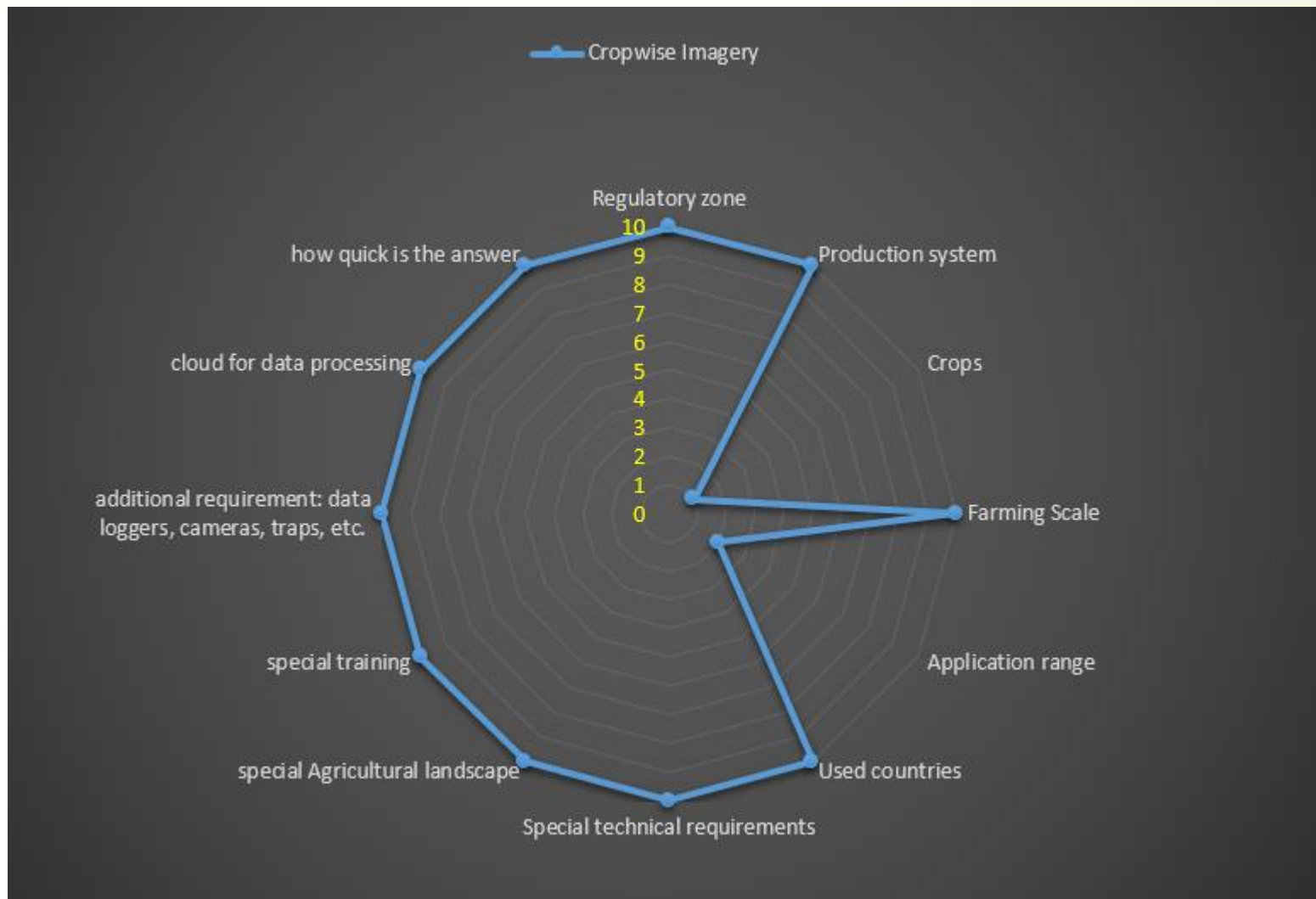


Cropwise Imagery

- Available in App Store
- Satellite imagery to your mobile device
- Sends important updates directly via text, email or else
- Bell Pepper
- Insects, Nematodes

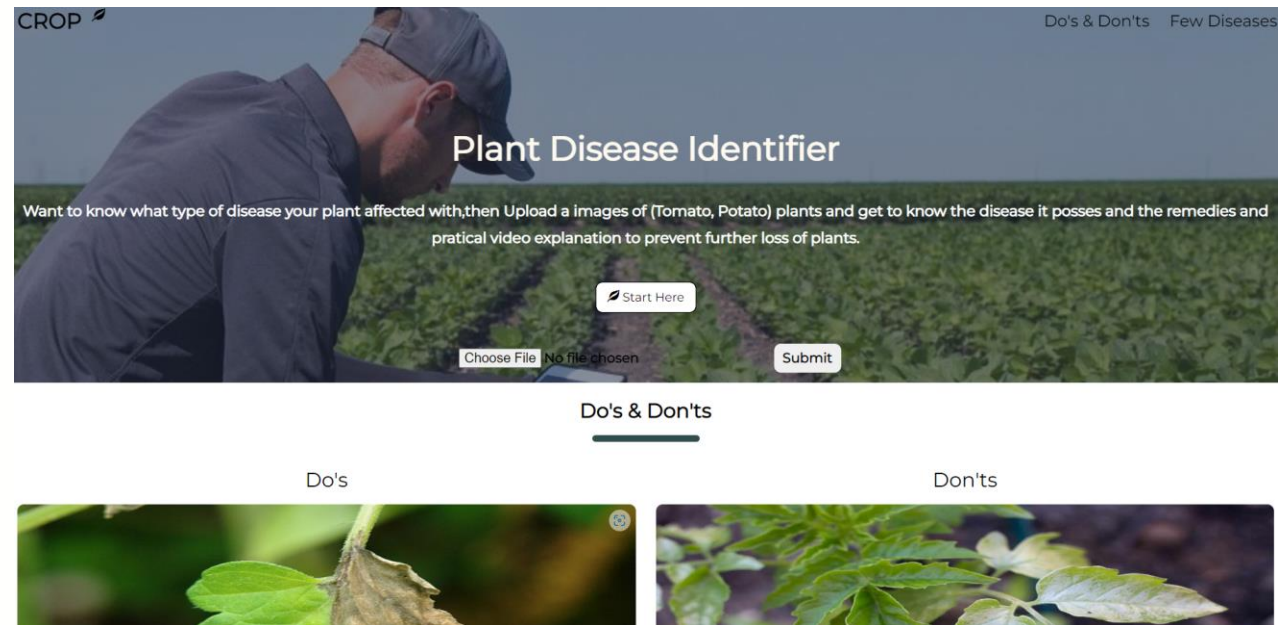


Cropwise Imagery

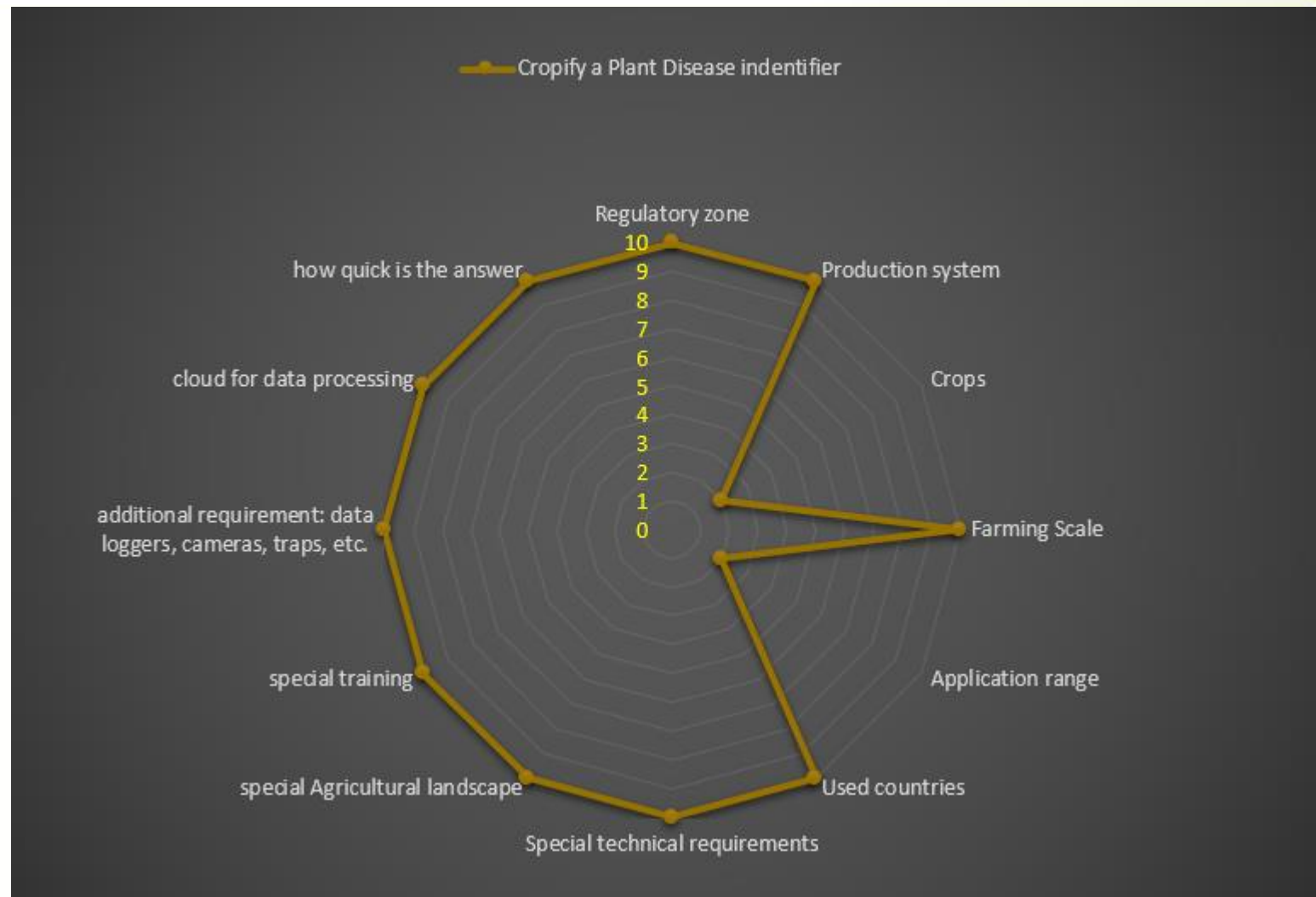


Cropify a Plant Disease identifier

- Web online application
- Upload an image of tomato or potato
- Get practical video explanation to prevent further loss of plants
- Fungi, Viruses



Cropify a Plant Disease identifier



Outcomes

- A wealth of available online apps for various crops and pests-diseases
- Cheap preliminary screen before lab analysis
- Some of them free, others with small fee
- Assist you in fungal/ pest detection
- Help in you avoid big losses
- Easy to use in smart devices





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Thank you!

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