

The SprayDay™ Mobile App for Pesticide Management

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SprayDay™

AIM - develop a phone app to provide guidance on the application, disposal and environmental risks associated with pesticides in drinking water catchments

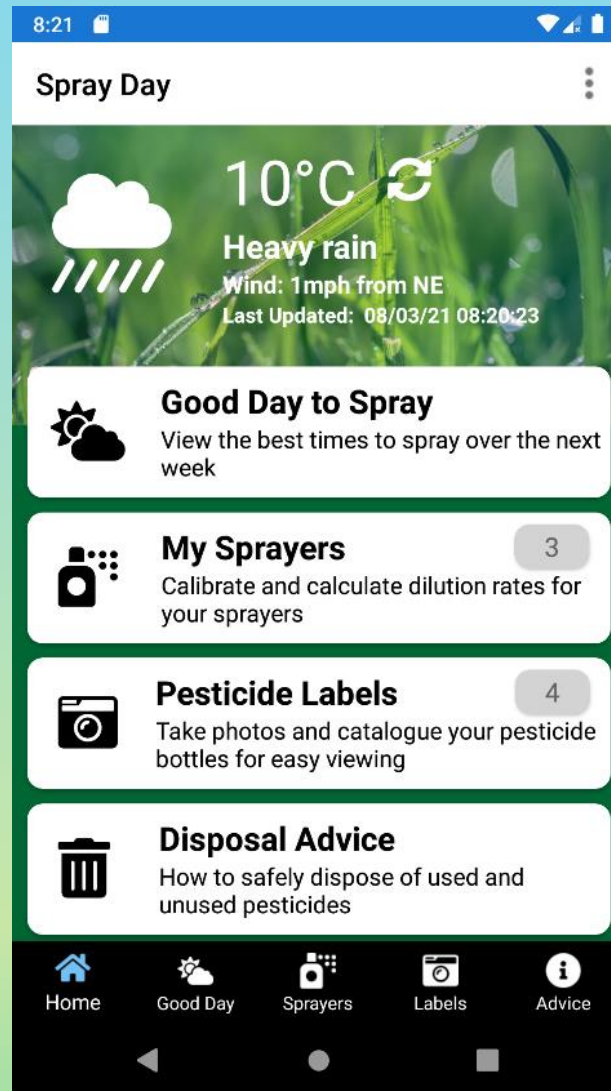
TARGET AUDIENCE

- Users who apply pesticides infrequently
- Users who would like assistance with calibration and dilution calculations
- Users who want access to easy-to-use, straightforward decision support tools

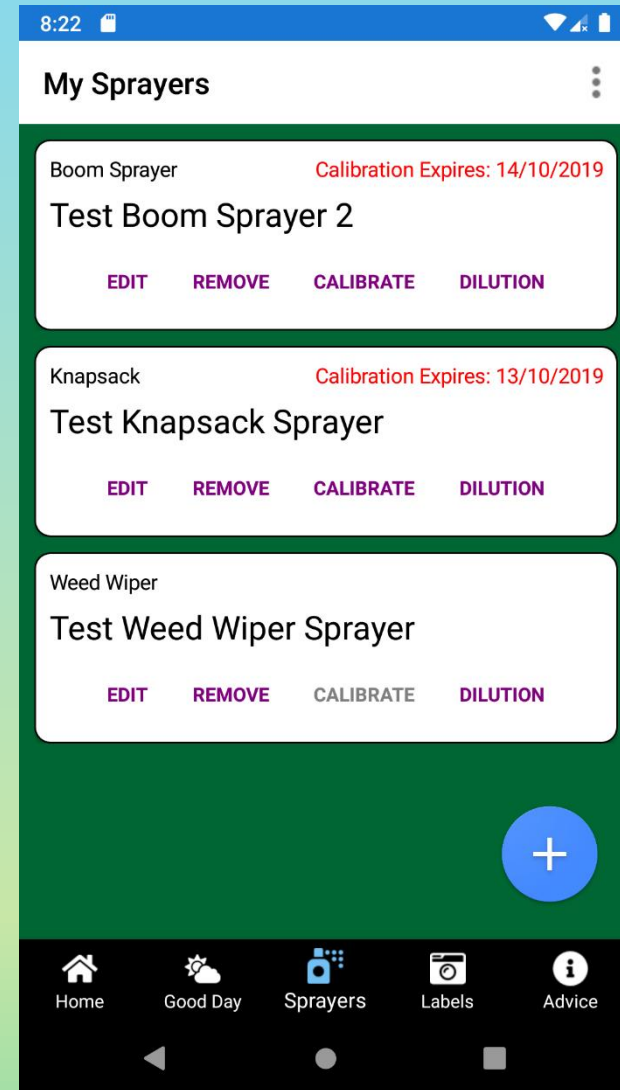
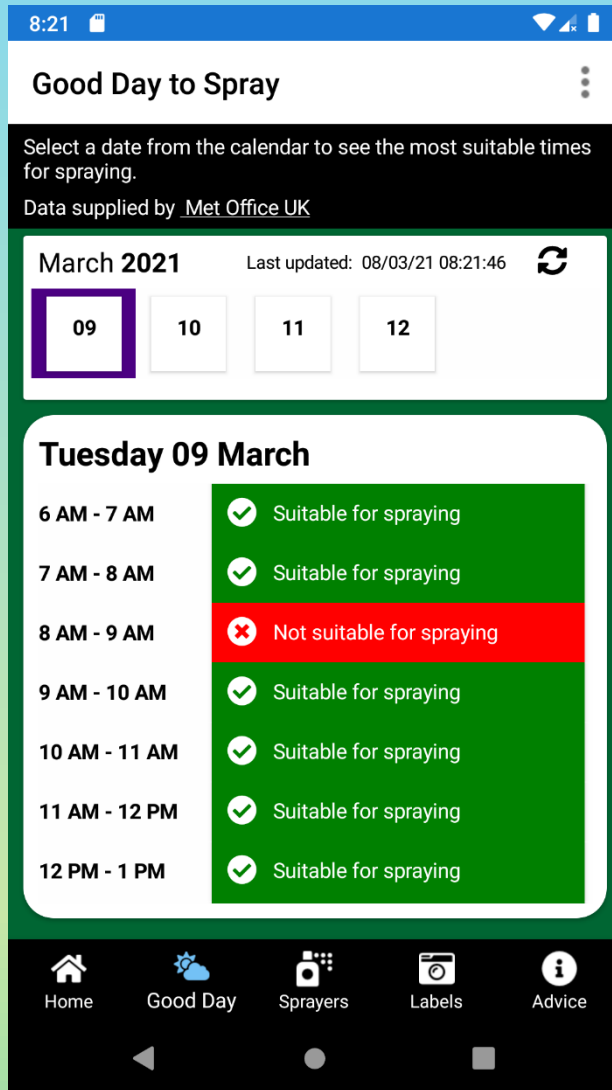
In Ireland, agricultural landscapes look like this:



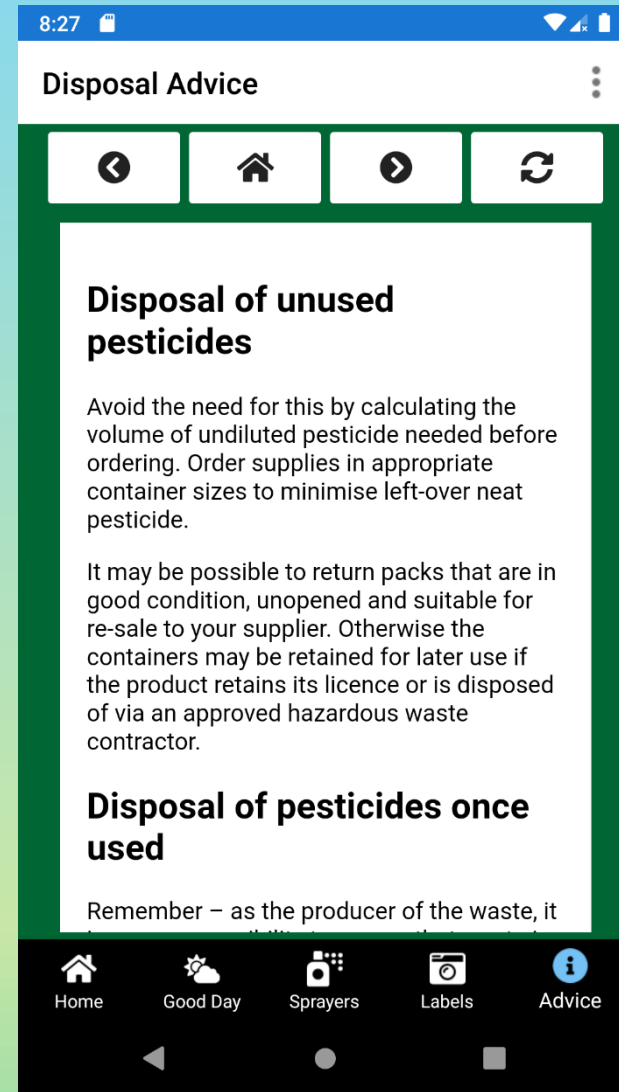
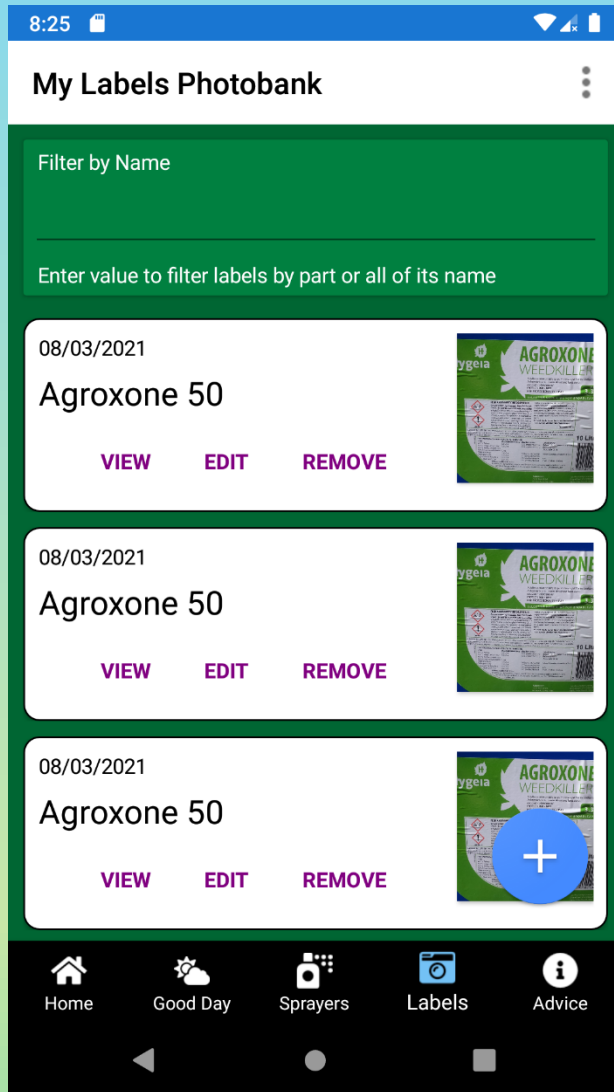
SprayDay™ - Front page



SprayDay™ - Sections



SprayDay™ - Sections



How suitable is the app for the target audience?

Is the app suitable for the this class of user?	Yes, the app is suitable
Infrequent users of pesticides	94%
Users who would like assistance with calibration and dilution calculations	96%
Users who want access to easy-to-use, straightforward decision support tools	92%

Would the app benefit from...	Average value of the responses
An area for pesticide store record management	7.1
An area for record keeping	7.7
An expanded feature set	5.5
Staying simple – no more features	7.2

SprayDayTM – future developments

- Field trials
 - gather feedback from target audience
- Good Day to Spray
 - Explain why some hours are not suitable for spraying
- Expand
 - My Sprayers – include further device types
 - Disposal Advice area – e.g. IPM, Buffer strips
- Add a QR code reader
- International version



Conclusions

- App successfully targets users who are less familiar with the use of professional pesticides.
- App has been designed with those less engaged with smart phones in mind.
- Most of the apps features still work, even if there is no mobile signal or WiFi.
- App is ready for field trials.



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