



## **Project Boundary Rider**

*An innovative biosecurity initiative of Vinehealth Australia*

### **Frequently Asked Questions**

*What is geofencing and how does it work?*

Geofencing is a feature in a software program that uses GPS to define a virtual barrier or boundary for a geographic area (e.g. a vineyard block, a whole vineyard, or a quarantine zone). Triggers can be setup so that when a smartphone enters or exits the defined boundary, a notification message is sent.

*Why is Vinehealth Australia conducting this pilot?*

We believe that advancements in technology are the future for effective management of biosecurity threats. We believe geofencing technology may have the capability to help growers to protect their properties from biosecurity incursions and then through the technology's track and trace capability, facilitate timely management of incursions by both growers and regulators, should they occur. We also believe this type of technology has a lot to offer growers at the ground level outside the biosecurity realm as well, for example limiting weed movements within a property, protecting the safety of staff after agrochemicals with long re-entry periods have been applied or managing when fruit can be tasted once a block's agrochemical withholding period has been met. It's the first time we are aware of geofencing technology being tested for biosecurity purposes in the wine industry in Australia and we are looking forward to see what it can deliver!

*Do I need to pay anything for this pilot?*

No, there will be no direct cost to you as a participant.

*Where do I go for help?*

Depending on your issue, please contact Technical Manager, Suzanne McLoughlin via email on [suzanne@vinehealth.com.au](mailto:suzanne@vinehealth.com.au) or via mobile on 0412 859 882. Vinehealth Australia's website will also contain copies of all the relevant materials (including Privacy Policy, Terms of Use, FAQs, How to Use) as well as updates on the project.

*What happens when someone enters or exits a geofence in the pilot?*

Once someone with a smartphone who has downloaded *B Rider* App crosses a geofence into a vineyard, they will receive a push notification message, for example "*Welcome to our vineyard. Please follow all signage and hygiene procedures as directed.*" At the same time the grower also receives a push notification message alerting them that someone is in their vineyard, for example "*A visitor user type "Utilities" has entered your vineyard.*" Once someone leaves the vineyard and crosses the geofence they will again receive a push notification message, for example "*Thankyou for visiting and for adhering to our hygiene procedures to keep our vines safe.*" The grower will also be notified that the person has left the vineyard, for example, "*A visitor user type "Utilities" has left your vineyard.*" These geofence crosses are then logged for the grower, so that they can view a complete electronic log of all movements onto and off their vineyard and the duration of the "visits", via the website.

*As a grower, do I have to receive push notifications every time a staff or family member goes onto my vineyard?*

No you don't! Push notifications can be managed by the smartphone user. For Apple phones, go to Settings → Notifications → find the B Rider App in your applications list → toggle the "allow notifications" button to the off position. You geofence crosses will still be logged against a property even if you have chosen to turn off your push notifications.

*Will my house or office be included in the geofence?*

When setting up the geofences, Vinehealth Australia will be working hard to ensure that movements across the geofence are real entries or exits from your vineyard – after all it is these movements that are our priority, not checking how many times you drive in and out of your driveway a day. This will mean we generally exclude houses and offices from the geofences where at all possible. In addition, we will be working closely with you as the grower to determine and verify the best placement of the geofences before we go live.

*Is big brother watching me?*

No, your movements are not detectable by the system unless you are crossing a geofence. Once inside or outside of the geofence, the system cannot detect or track where you are.

*Where will all this data be stored?*

Data will be collated by Vinehealth's technology partner at its Canadian office and securely stored in the Cloud on a server based in Australia.

*Who can see my property visits?*

As owner or manager, only you can see your visitor log through a password protected secure login to a website. You cannot see the visitor log from your neighbour or anyone else participating in the pilot. Vinehealth Australia and their technology partner as system administrators can however see visitor logs in respect of all participating properties to ensure the system is functioning effectively and for use during simulations at the end of the pilot. The visitor logs will not be used for any additional purposes by Vinehealth Australia or their technology partner.

*How do I access the website to check my visitor log as a vineyard owner/manager?*

Once you download *B Rider App* you will be taken through setting up a personal account with a username (email address) and password. This will then allow you to view the visitor log for your vineyard.

*Can I export my visitor log data from the dashboard?*

The dashboard will allow you to view visits to all or just one of your vineyards within a date range of your choice. In addition, you will be able to export the data for further analysis.

*If I am a participant who has multiple job roles, which user type do I register under?*

In order to be able to see the electronic log of all people using the app who have crossed into or out of geofences on your vineyards, you need to have at least one user who registers as the Owner/Manager user type. If you are the responsible user for your business then you should register as the Owner/Manager user type. If you also visit properties that belong to other participants in the pilot then you will be logged in their records as an Owner/Manager user type as well, but your name will also appear so they will be able to make good sense of the records.

*If I have multiple vineyards, will I need multiple logins to my account?*

No. Your login will include access to visitor records across all of your vineyards registered under the project. For participants with vineyards under more than one business name, Vinehealth Australia will regroup all your vineyards under a single business name to ensure you can "see" movements into and out of all your properties under one login.

*As a visitor to multiple registered vineyards, can I access a history of which vineyards I've visited?*  
Yes. Once you download *B Rider App* you will be taken through setting up a personal account with a username (email address) and password. This will then allow you to view your own visitor log, showing you which vineyards you've visited over time.

*Do all members of a group entering a vineyard have to download the app?*

We are realistic in not expecting everyone who comes onto your vineyards to have a smartphone and download the *B Rider* app. However, from a biosecurity perspective, we are most interested in the movement of people between properties. We have built a question into the registration process to ask users registering under the "Service Provider" category if they are registering for themselves or on behalf of a group. This way we will still capture the movement of a group of people between properties, albeit potentially via their Supervisor.

*What happens to the data at the end of the pilot?*

The visitor records will be deleted within three months post the data-collection phase of the pilot, or at the request of Vinehealth Australia to their technology partner. If there is an unforeseen need to keep some or all of the records, Vinehealth Australia will seek prior consent from growers at the end of the pilot. As a participant you will also be asked to delete *B Rider App* and take down and return any signage provided to you by Vinehealth Australia at the end of the pilot.

*Do I have to use B Rider App?*

In this pilot, using *B Rider App* is the only way the electronic visitor records can be collected. If you do not have a smartphone or a phone at all, your movement across the geofence will not be logged. Given this, we realise that our visitor records will only be as good as everyone getting on board to download the App and participate, but we hope this will be a bit of fun with a serious side, and that you and your staff will discover many other uses for this technology than we have already.

Downloading the *B Rider App* will still log your movements into and out of participating properties and send you push notifications, even if you do not actually register as a user. Failing to register will mean you are not "identified", however you also miss out on being able to see the log which records which participating properties you have visited.

On a very small number of sites, Vinehealth Australia is investigating setting up systems to capture visitor movements across a geofence where *B Rider App* has not been downloaded. These movements will give us a guide as to the potential number of geofence crosses we are not capturing without this additional system and therefore the potential biosecurity risk.

*Will B Rider App drain my phone battery?*

No, the App runs in "adaptive" mode. This means that when you are nowhere near a geofence it functions in "sleep" mode, a feature that protects your battery life. When you are on or close to a geofence, the app becomes active and battery power is used.

*Do I have to have the B Rider App open all the time?*

No, you can shut the app without logging out. You will still receive push notifications and your geofence crosses will still be logged.

*Do I have to have location services on?*

The *B Rider App* does require you to have Location Services turned on. This feature allows your position to be accurately determined using GPS and therefore is needed to identify your position in the landscape with respect to the position of the geofences, to work out when you have crossed into or out of one. When you download the App, Location Services will automatically default to being on.

*How will people coming onto my property know they have to download B Rider App?*

Vinehealth Australia will provide you sufficient signage for entrances to your vineyards, so anyone coming onto your vineyard will see you are participating in this pilot. The signage will encourage visitors to download *B Rider App*. In addition, Vinehealth Australia will provide you with communications to distribute to staff, contractors, consultants, GLOs and other winery staff etc. to inform them of the pilot.

*As an owner/manager receiving a push notification that someone is in my vineyard, what information will I receive?*

When a visitor who has downloaded *B Rider App* crosses the geofence, the push notification message you receive will identify both the name of the person crossing the geofence, their “user type” category, business, time in, time out, duration inside the fence.

*Does every person who has registered as an Owner/Manager for a business get the push notifications for all geofence crosses?*

Yes.

*Will the push notifications cost me on my mobile phone bill?*

No, the push notification messages that are associated with this system are so small that you won't notice any difference to your mobile phone bill.

*How much does B Rider App cost?*

*B Rider App* is free! It's on the App Store and Google Play Store to download as soon as we have Go Live.

*We're in a black spot, will B Rider App still work?*

Vinehealth Australia recognises that black spot areas are a relatively common issue, therefore we have plans in place to test a purpose-built App for black spot areas in the second pilot stage, should it progress.