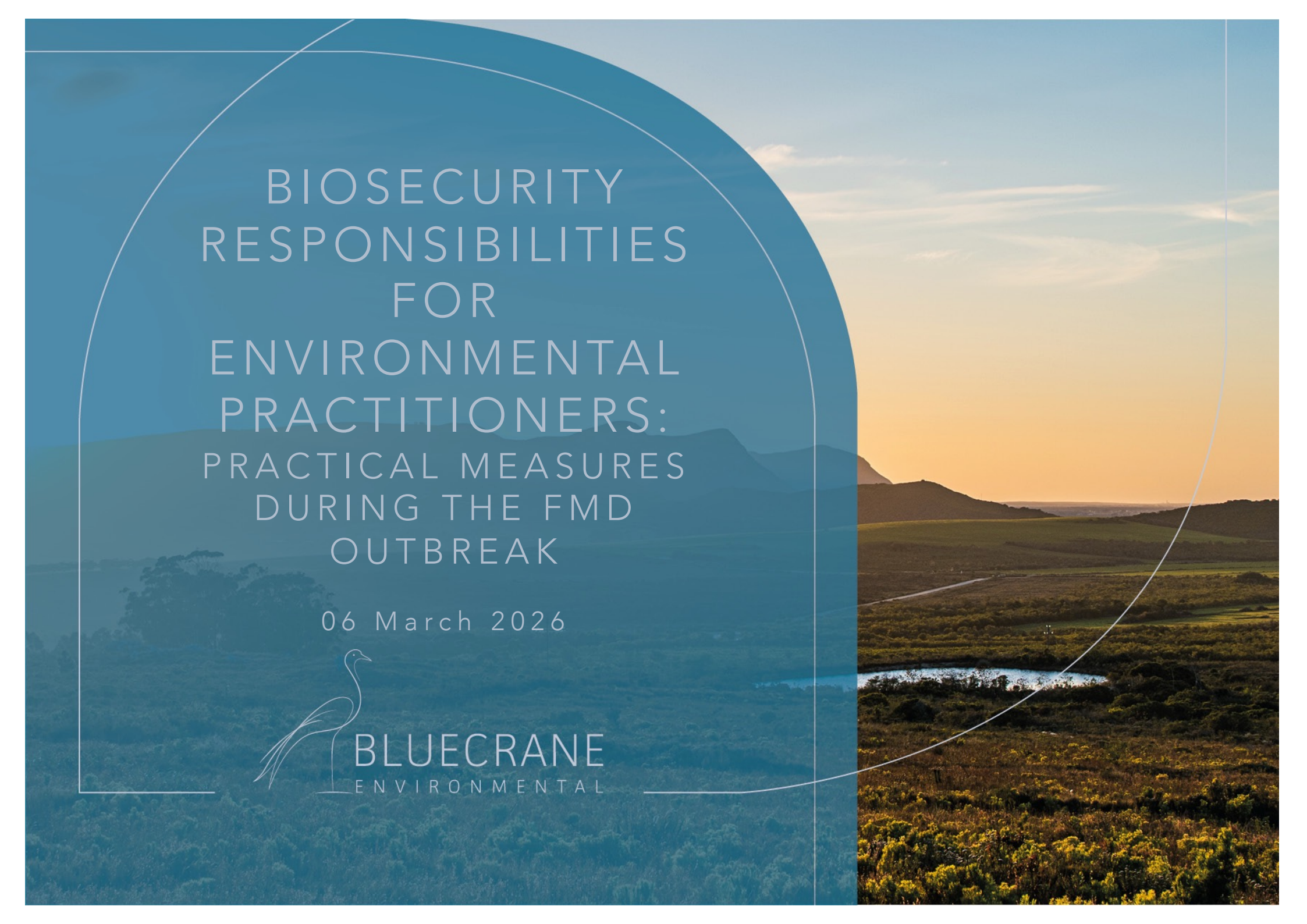


The background is a landscape photograph of rolling hills and a small pond at sunset. A semi-transparent blue arch graphic is overlaid on the left side of the image, framing the text.

BIOSECURITY RESPONSIBILITIES FOR ENVIRONMENTAL PRACTITIONERS: PRACTICAL MEASURES DURING THE FMD OUTBREAK

06 March 2026



BLUECRANE
ENVIRONMENTAL



BIOSECURITY RESPONSIBILITIES FOR ENVIRONMENTAL PRACTITIONERS

PRACTICAL MEASURES DURING THE CURRENT FMD OUTBREAK

Marélie Botha

Director: Blue Crane Environmental

IAIAsa Western Cape & Free State Webinar

6 March 2026



WHY BIOSECURITY MATTERS FOR ENVIRONMENTAL PRACTITIONERS

- Renewable energy and infrastructure projects are, more often than not, located on agricultural land
- Specialists frequently move between farms and provinces
- Vehicles, boots and equipment can act as transmission vectors
- Reputational and financial consequences for landowners and developers
- Environmental practitioners have a duty of care



IMPLEMENTING A PRACTICAL BIOSECURITY FRAMEWORK

Blue Crane Environmental has implemented:

- A Formal FMD Biosecurity Protocol
- Mandatory Biosecurity Declarations for specialists
- Pre-visit risk screening using outbreak maps
- Disinfection procedures for vehicles, footwear and equipment
- Biosecurity kits supplied to specialist teams



PRE-VISIT RISK AWARENESS

Before any site visit:

- Review the official FMD outbreak map
- Identify control zones and outbreak areas
- Confirm specialist exposure history
- Disclose recent livestock contact
- Postpone visit if necessary

- Example Tool:

RMIS Disease Incident Map

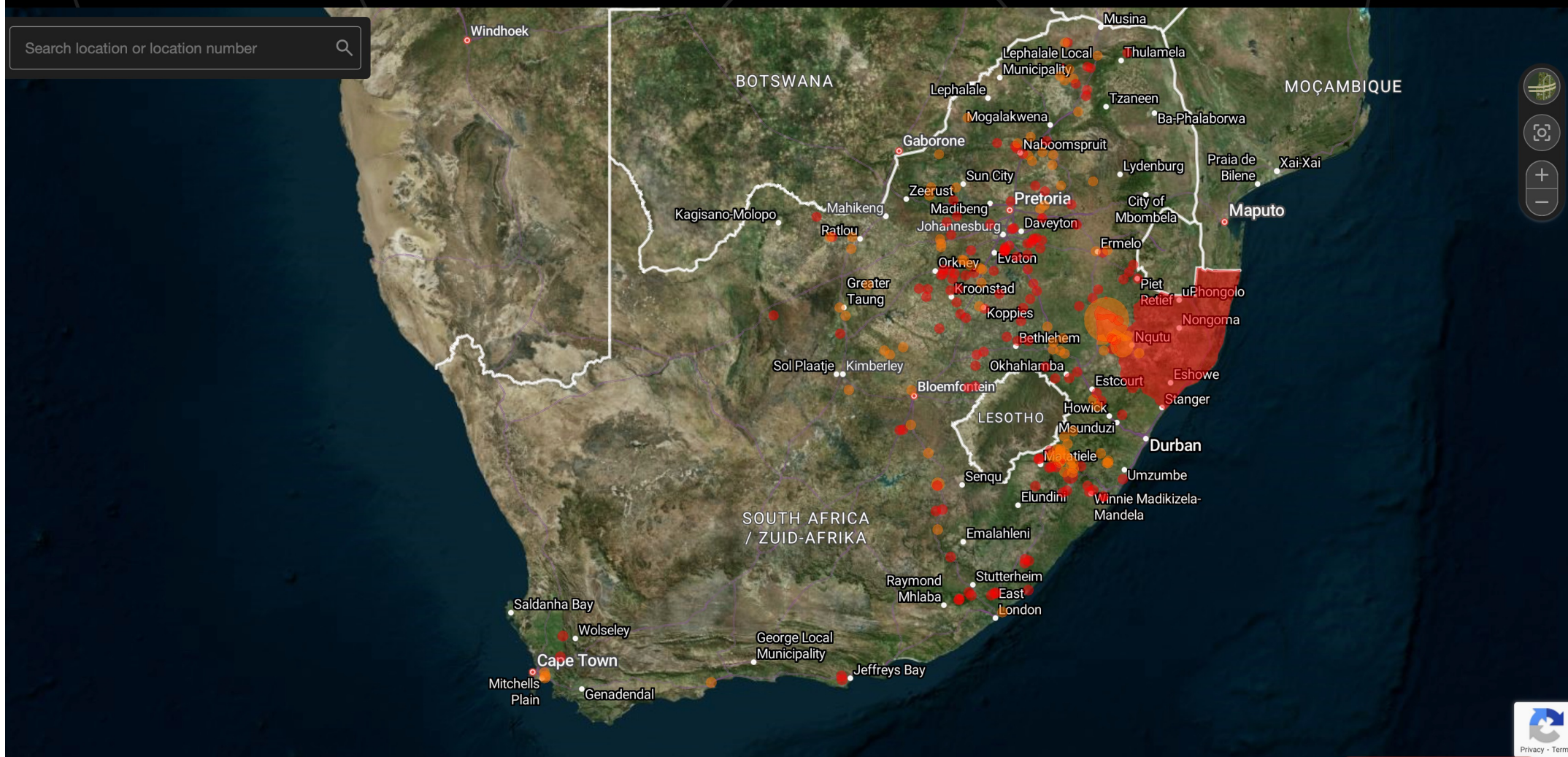
<https://rmis.co.za/disease-incidents/>

RMIS: DISEASE INCIDENTS RISK AWARENESS



● Confirmed FMD case (within 10 km radius, lab-verified) ● Suspected case(s) within a 10 km radius

Click on any circle on the FMD map to view more information about the specific incident. This FMD map is updated as new cases are reported. Data is verified through RMIS protocols and aligned with private and state veterinary reporting channels.





BIOSECURITY MEASURES DURING SITE VISITS

Vehicle biosecurity:

- Vehicles must arrive clean (no visible mud, manure or organic debris)
- Tyres sprayed before entering farms
- Tyres sprayed when moving between farms/camps
- Unnecessary driving through livestock camps must be avoided

Footwear & equipment:

- Closed field boots must be worn at all times
- Boot disinfected before entering and leaving properties
- Ground-contact equipment disinfected
- Disposable boot covers (where necessary)



BIOSECURITY MEASURES DURING SITE VISITS

Movement and conduct on site:

- Direct contact with livestock is strictly prohibited
- Specialist must avoid walking through herds where possible
- Gates must be kept closed at all times
- Entry routes and movement must follow landowner instructions

Disinfectant:

- An approved disinfectant effective against FMD virus shall be used for tyres, footwear and equipment sanitation.



SPECIALIST BIOSECURITY DECLARATIONS

All specialists complete a declaration confirmation:

- No site visits to outbreak areas within the previous 14 days
- No recent livestock contact
- Vehicle cleanliness
- Commitment to biosecurity procedures

Includes:

- Indemnity clause
- POPIA compliance
- Specialist accountability



FOOT-AND-MOUTH DISEASE (FMD) BIOSECURITY DECLARATION

Blue Crane Environmental (Pty) Ltd

1. Specialist and Project Details

Project Name: _____

Farm / Property Name(s): _____

Specialist Name: _____

Company: _____

Contact Number: _____

Email Address: _____

Date(s) of Site Visit: _____

Vehicle Registration Number(s): _____

2. Exposure and Risk Disclosure

Please indicate (✓):

☐ I confirm that I have NOT visited any farm located within a declared FMD outbreak or control zone within the past 14 days.

☐ I confirm that I HAVE visited such an area within the past 14 days.

If yes, provide details (location and date):



☐ I confirm that I have NOT had direct contact with livestock within the past 72 hours.

☐ I confirm that I HAVE had direct contact with livestock within the past 72 hours.

If yes, provide details:

☐ I confirm that my vehicle(s) have been inspected and are free of visible mud, manure or organic material prior to arrival on site.

I acknowledge that failure to disclose relevant exposure information may result in removal from site and may constitute a breach of appointment conditions.

3. Mandatory Biosecurity Compliance

I hereby confirm that I will comply with Blue Crane Environmental's FMD Biosecurity Protocol, including but not limited to:

☐ Disinfection of vehicle tyres and wheel arches prior to entering the property and when moving between farms.

☐ Disinfection of footwear before entering and before leaving each property.

☐ Disinfection of any equipment that comes into contact with the ground prior to movement between farms.

☐ Avoidance of direct contact with livestock.

☐ Compliance with all landowner access and movement instructions.

☐ Immediate notification to Blue Crane Environmental should any potential exposure risk arise during the course of fieldwork.



4. Indemnity and Accountability

I acknowledge that:

- The agricultural properties being accessed may contain livestock susceptible to Foot-and-Mouth Disease.
- Biosecurity measures are implemented as a precautionary risk mitigation measure.
- I am personally responsible for adhering to the prescribed protocol.
- Any negligent failure to implement reasonable biosecurity measures may expose landowners, project developers, and Blue Crane Environmental (Pty) Ltd to financial and reputational harm.

I undertake to exercise reasonable care and diligence to minimise any potential biosecurity risk during my site activities.

5. POPIA Compliance Notice

In accordance with the Protection of Personal Information Act, 2013 (Act No. 4 of 2013) ("POPIA"), the personal information collected in this declaration:

- Is collected solely for biosecurity risk management and project compliance purposes;
- Will be stored securely by Blue Crane Environmental (Pty) Ltd;
- Will only be shared with the relevant project developer or landowner where reasonably required for biosecurity assurance;
- Will not be used for any unrelated purpose.

By signing this declaration, you consent to the lawful processing of your personal information for the purposes stated above.



6. Declaration

I declare that the information provided above is true and correct to the best of my knowledge and that I will comply fully with the Blue Crane Environmental FMD Biosecurity Protocol.

Signature: _____

Full Name (Print): _____

Company: _____

Date: _____



SUPPORTING IMPLEMENTATION IN THE FIELD

To support practical implementation we provided specialists with Biosecurity kits containing:

- F10 disinfectant concentrate
- Spray bottles
- Boot brushes
- Disposable gloves
- Safety Data Sheets (SDS)
- Copy of the protocol





PROFESSIONAL RISK MANAGEMENT

Practitioners should consider:

- Maintaining professional liability insurance
- Keeping a site visit logbook
- Recording:
 - Farms visited
 - Dates & times
 - Vehicles disinfection log
 - Equipment sanitation log
 - Gates entered and closed

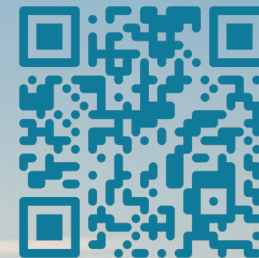


SETTING A PROFESSIONAL STANDARD

- Biosecurity is a shared responsibility
- Environmental practitioners must take a proactive role
- Small procedural steps significantly reduce risk
- Protecting agriculture protects the projects we develop



QUESTIONS?



Contact US

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