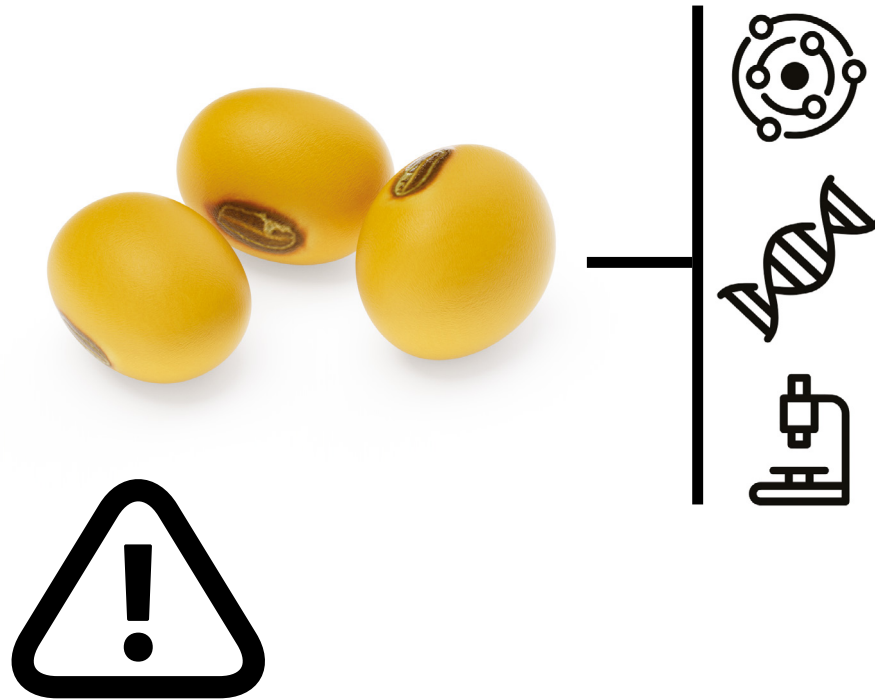




---

# Collection guide for soy



**IMPORTANT:** Data from the samples you collect may serve as evidence in investigations and enforcement actions.

Please ensure all collections comply with the guidelines and specifications in this document.

---

# Contents

Basic soy collection protocols .....	4
Potential hazards and safety procedures .....	5
Preparation and equipment .....	6
Kit checklist .....	7
Navigation .....	8
Sample Mapping .....	9
Plant selection .....	11
Soy sampling .....	12

---

# Basic collection protocols for soy

1. Do not sample without written permission.
2. Each sampling location has 5 sampling points in a dice-like pattern.
3. The outer points are approximately 5 km from the center, with 3 km of flexibility.
4. Install & register the World Forest ID App before departure.
5. Ensure there is more than one phone with a registered App.
6. Keep GPS on and have backup power.
7. Sample mature dry plants that are brown and ready to harvest.
8. Collect samples from 2-5 plants at each sampling point.
9. Choose high yielding plants that are free from disease.
10. Follow all safety procedures.

# Potential hazards and safety procedures

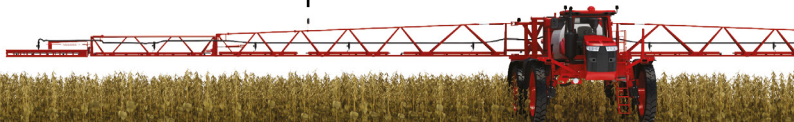


— **HEAT EXHAUSTION:** Stay hydrated and avoid working during the hottest hours of the day.



— **FARM MACHINERY:** Be aware of hazardous machinery and ensure you are visible.

— **PESTICIDES:** Avoid recently sprayed fields and wear protective clothing/gloves.



— **ALLERGIES (e.g. contact dermatitis)**  
Wear protective clothing and gloves while sampling, avoid touching your face or sensitive areas, and wash your hands thoroughly after contact.

— **THEFT OR VIOLENCE:** Avoid working alone and stay informed about civil unrest to avoid high-risk areas.

— **SNAKES & SPIDERS:** Wear appropriate footwear and take necessary precautions.

---

# Preparation and equipment

*Before departing on the expedition:*

1. Confirm in which locations you are sampling.
2. Understand potential hazards and have appropriate PPE.
3. Complete a kit check with your expedition leader.
4. Pre-label all sample packs with barcodes.
5. Disclose any relevant health conditions.
6. Check contact details for the nearest medical facility.



---

# Kit checklist

*Print this page to help with your kit check*

## **PAPERWORK / LABELING / CONTAINMENT**

- ☐ Printed/signed collection approval form
- ☐ Barcode sheets
- ☐ Proforma labels
- ☐ Ziploc bags for full sample set
- ☐ Clipboard
- ☐ Pens and paint markers
- ☐ Backpack for sample storage
- ☐ Paper bags

## **HEALTH & SAFETY / PPE / CLOTHING**

- ☐ First Aid kit
- ☐ Snakebite kit (where appropriate)
- ☐ Hi-Viz vest
- ☐ Gloves
- ☐ Insect-protective clothing/repellent
- ☐ Protective footwear

## **NAVIGATION**

- ☐ Smartphones with World Forest ID App
- ☐ Power bank for smartphones
- ☐ GPS App or device with backup power
- ☐ Printed map & compass

## **TOOLS FOR SOY SAMPLING**

- ☐ Pruning shears/secateurs



---

# Navigation

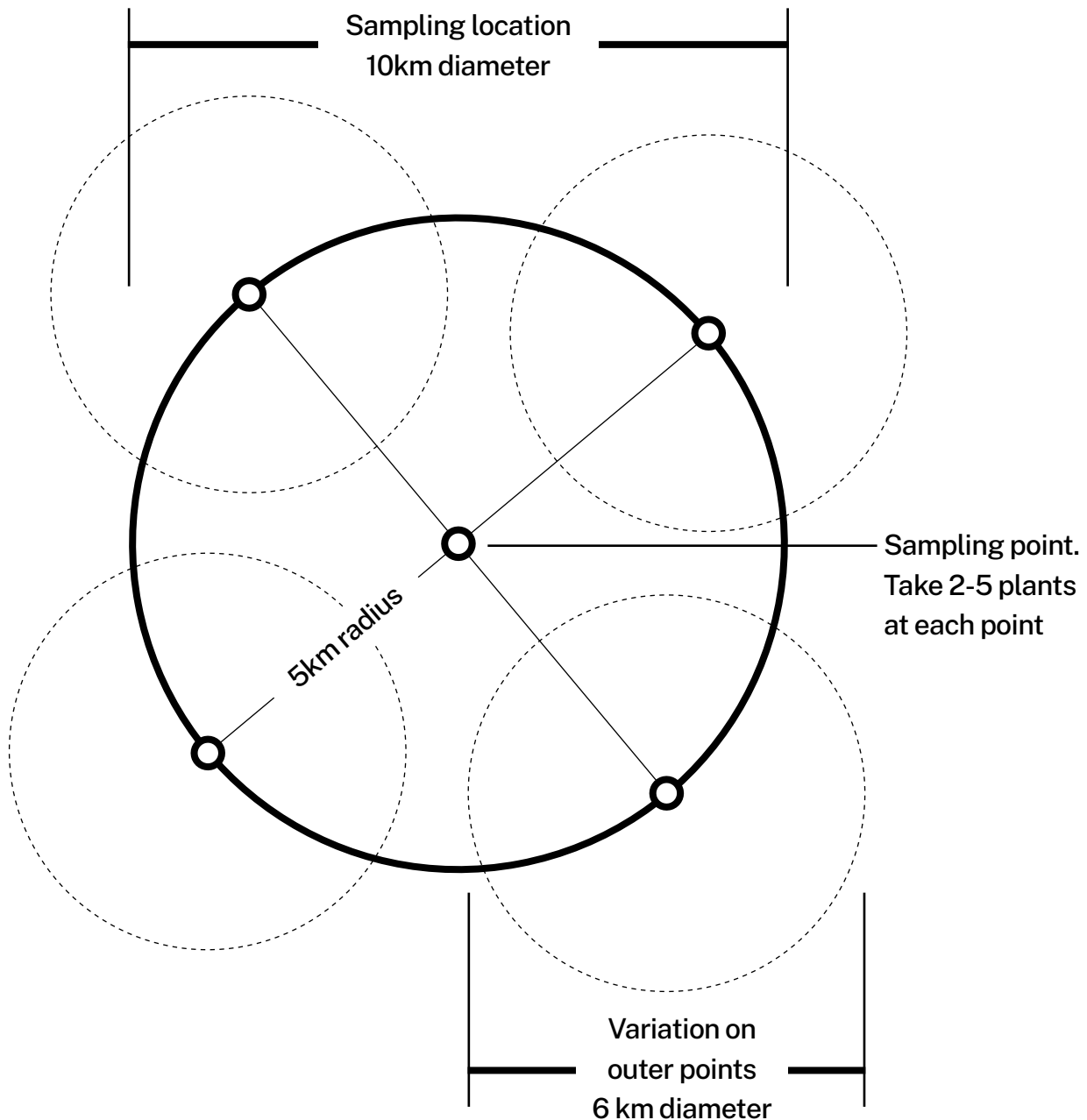
1. Use a standalone GPS device or smartphone app with offline maps for accurate navigation. Recommended apps:
  - *AllTrails*
  - *Gaia GPS*
  - *Locus Map*
  - *ViewRanger*
2. Keep the device powered on throughout the day to increase accuracy and have a power bank or extra batteries on hand.
3. Bring a compass and map as backup.





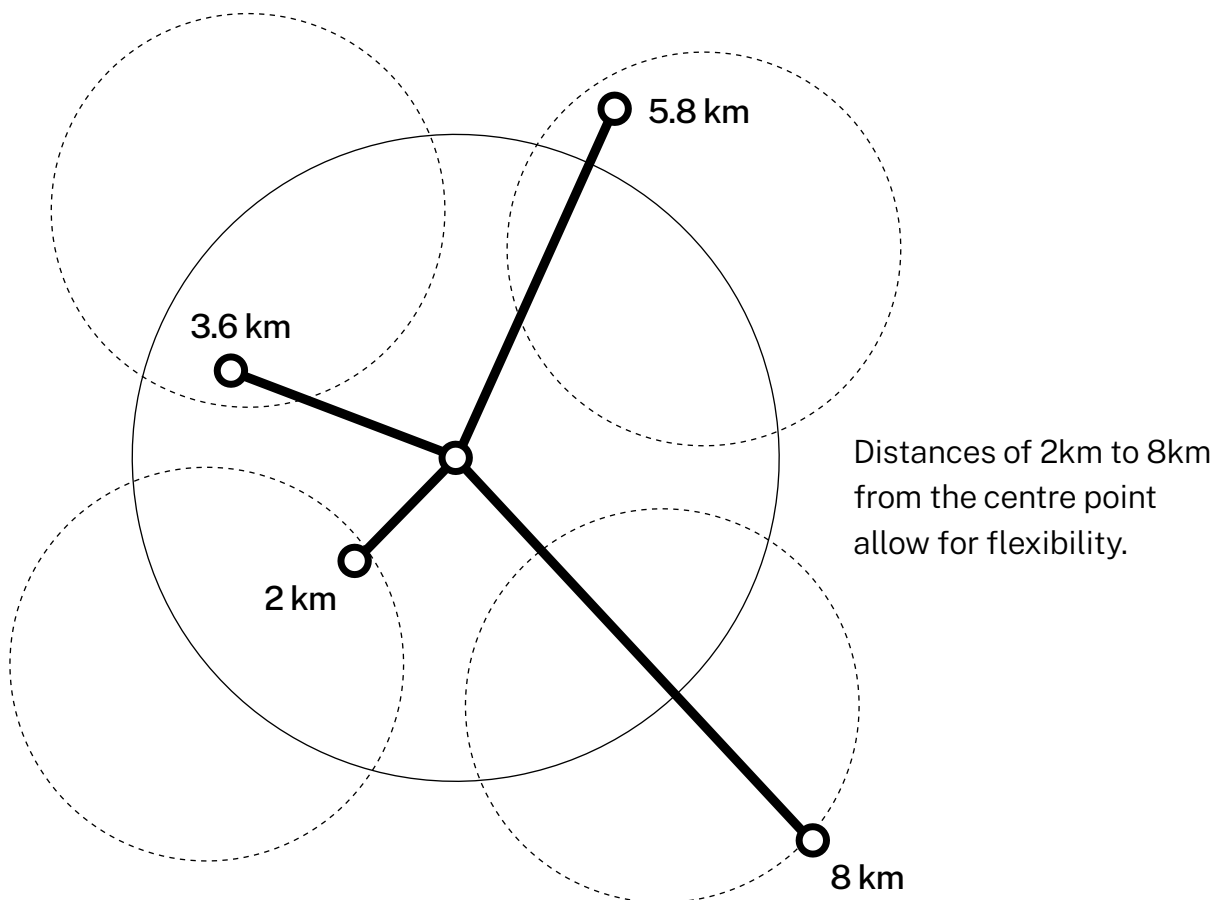
# Sample Mapping

1. Each sampling location is composed of 5 sampling points.
2. The outer points should be approximately 5 km from the center point, resembling the 5 dots you see on a dice.
3. The position of the outer points can vary within a 3 km radius to allow for any problems with access.
4. At each sampling point, collect samples from 2-5 plants.





A real world example of a planned sampling location.



# Plant selection



Sample two separate plants at each location.

Select mature plants that have developed brown, dry pods.



Choose plants with more pods and more seeds per pod.

Avoid plants that have been affected by pests or disease.



*Anthracnose*



*Soybean rust*

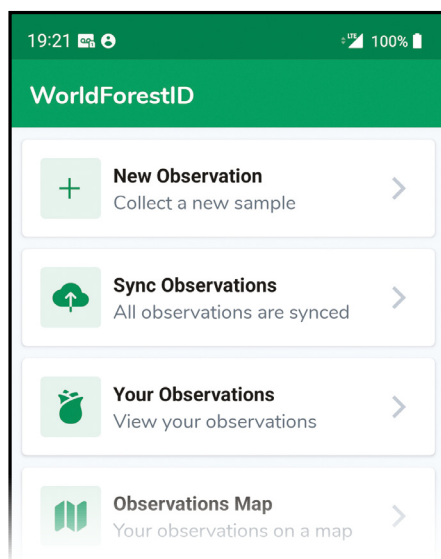


*SDS Syndrome*

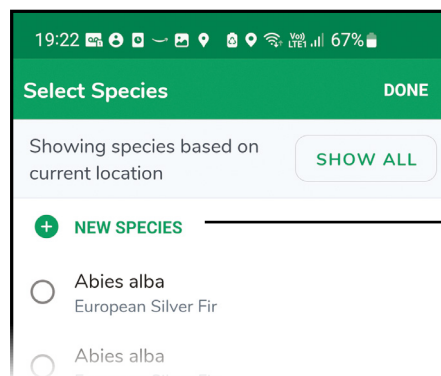
# Soy sampling



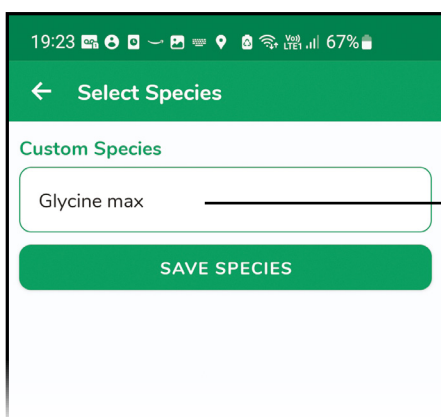
**IMPORTANT:** Ensure you register for, update, and open the World Forest ID App prior to the expedition. Have the App installed on at least two smartphones.



Tap “New Observation”.



Tap “NEW SPECIES”.



Add the new species ‘Glycine max’.

19:21 100%


← Observation Form SAVE

**Species\***

Glycine max >


Select the tree species

**Identifier\*** BARCODE SCANNER

Identifier 

Click the camera icon to open the code scanner

**Photos** EXAMPLES

 **Tap to Add Photos** >

0 photos collected

Tap to add or remove photos

**Types of Collected Samples\*** EXAMPLES

Tap to add samples ▾

**Location Description**

Tap for options ▾

Select one or more options

**Location Name or Concession \***

Enter name of forest or forest certification code >

Name of location or concession

**Tree Diameter**

Tree Diameter CM


Approximate diameter of tree

**Comments**

Tap to add comments >

Any additional information

**GPS Location** OPTIONS

Error 

Location is automatically collected

**SAVE OBSERVATION**

Scan the barcode on the Proforma.



Take photographs of:  
bush, surroundings, leaf, samples, barcode.



Check 'Agricultural'.

Check 'Plantation'.

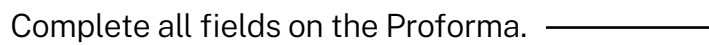
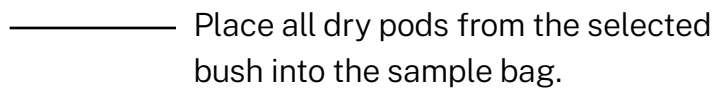
Check 'New forest', then enter name of the farm.

Enter plant variety (brand, GMO identifier), soil type, maturity group, climate, irrigation (yes/no), pesticide, herbicide, fertiliser treatments, including brand names if known.

If location is not automatically shown enter coordinates from GPS device.

When complete 'SAVE OBSERVATION'.



A 3D rendering of six young corn plants at various stages of growth, arranged in a circular pattern on a white background. The plants show increasing height and leaf development from left to right and back to front. The plants are rendered with a golden-brown color scheme, suggesting a specific variety or a stylized aesthetic. Each plant has a central stalk with several large, heart-shaped leaves and a developing tassel at the top. The plants are positioned on small mounds of dark brown soil. The background is a plain, light gray surface.

————— Repeat the process, sampling 5 plants in total.

---

# Our PDF guides

## **WOOD**

Collection guide for wood

Drying guide for wood

Dispatch guide for wood

## **SOY**

Collection guide for soy

Drying guide for soy

Dispatch guide for soy

## **COCOA**

Collection guide for cocoa

Drying guide for cocoa

Dispatch guide for cocoa

## **OIL PALM**

Collection guide for oil palm

Drying guide for oil palm

Dispatch guide for oil palm

## **COFFEE**

Collection guide for coffee

Drying guide for coffee

Dispatch guide for coffee

## **GENERAL**

World Forest ID overview

Tool maintenance

Expedition planning



[worldforestid.org](http://worldforestid.org)   [info@worldforestid.org](mailto:info@worldforestid.org)

Copyright 2023 World Forest ID. All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the publisher.