Sampling protocol - Southern and western regions

1. Get sample kits and soil corers
   - Predicta B Kits supplied by SARDI, contact russell.burns@sa.gov.au
   - Accucore corers available from Spurr soil probes, contact tjspurr@netconnect.com.au

2. Select the production zone to be sampled, avoid fire breaks. Each zone may have a different disease risk.

3. At each of 15 locations:
   - Collect three soil cores (10 x 100mm core).
   - Collect the cores from along the row of the previous cereal crop if still visible and do not remove any plant debris.
   - Total sample weight should be less than 500g.

4. If cereal or grass stubble present, add one piece including crown from each location (two if sowing durum). Stubble can be more than one year old.
5. Complete all details and tick boxes on the PreDicta B label on the sample bag and send to SARDI in the reply paid post-pack included in the kit.

### Sample Handling
To prevent DNA degrading while in the field:
- Store samples in an esky.
- Do NOT leave moist samples exposed to the sun in plastic bags.
- Do NOT freeze or microwave moist samples.
- Consider air drying moist samples before posting.

### Note
DNA in dry samples is stable. Wet samples, either air dry or post to arrive at SARDI by Friday morning. Make sure packaging is secure and address label clearly visible.

<table>
<thead>
<tr>
<th>Sample Date:</th>
<th>10cm</th>
<th>15cm</th>
<th>30cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample Depth: (please tick)</td>
<td>□</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample Strategy: (please tick)</th>
<th>Random</th>
<th>Within rows</th>
<th>Between rows</th>
</tr>
</thead>
</table>

**Crop and variety**

<table>
<thead>
<tr>
<th>This year</th>
<th>Agronomist Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last year</td>
<td>Agronomist ID No.</td>
</tr>
<tr>
<td>Two years ago</td>
<td></td>
</tr>
</tbody>
</table>

**Grown/company name**

**Paddock ID**

**Nearest town:**

**Sample Date:** ______ / ______ / ______

**Grower/Mob.**

**Sample Date:** ______ / ______ / ______

**Sample Depth:** ______ cm

**Sample Strategy:**
- Random
- Within rows
- Between rows

**Stubble added**

**Crop and variety**

**Agronomist details and PreDicta B accreditation number (pre-labelled stickers available)**

**Order No.**

**Farmer:**

**Paddock:**

**Nearest town:**

**Sample Date:** ______ / ______ / ______

**Sample Depth:** ______ cm

**Sample Strategy:**
- Random
- Within rows
- Between rows

**Stubble added**

**Crop and variety**

**Agronomist Name:**

**This year**

**Last year**

**Two years ago**

**Protect your DNA sample**

**Do NOT** leave moist samples in plastic bags exposed to the sun. Store in an esky as soon as collected.

**Do NOT** freeze or microwave moist samples.

If drying moist samples, air dry a thin layer of soil on paper or use a well-ventilated soil oven at 40°C.

**Date:** Important to know if samples have been delayed

**Depth:** Length of corer

**TOTAL SAMPLE:** 45 CORES, 15 STUBBLE PIECES, 30 IF SOWING DURUM.

**SAMPLE WEIGHT SHOULD NOT EXCEED 500G IF PROTOCOL FOLLOWED.**