

Sunflower Survey

Charcoal rot & *Sclerotinium sclerotiorum* (stem rot) survey in South Africa

Charcoal rot on Soybean and Sunflower in South Africa reasurch project: Questionnaire

Protein Research Foundation & Department of Plant and Soil Sciences, University of Pretoria

Producer information (will remain confidential to the researcher)

Name: \_\_\_\_\_

Farm name: \_\_\_\_\_

Tellephone number: \_\_\_\_\_

email: \_\_\_\_\_

|   |            |                    |                    |         |            |              |                |
|---|------------|--------------------|--------------------|---------|------------|--------------|----------------|
| Production area:  | North West | Eastern Free State | Western Free State | Limpopo | Mpumalanga |              |                |
| Average max temperature during the growing season (°C): |            |                    | 15-20              | 21-25   | 26-30      | more than 30 |                |
| Average rainfall per growing season (mm):               |            |                    | less than 250      | 250-500 | 501-750    | 751-1000     | more than 1000 |

Planting month: \_\_\_\_\_

Harvesting month: \_\_\_\_\_

|  |       |             |               |                         |
|--|-------|-------------|---------------|-------------------------|
| Do you know the difference between Charcol rot and Sclerotinia stem rot? | yes   | no          |               |                         |
| Previous incidence of Charcoal rot:                                      | never | last season | season before | less than 5 seasons ago |
| Previous incidence of Sclerotinia stem rot:                              | never | last season | season before | less than 5 seasons ago |

Any control measures taken against Charcola rot or Sclerotinia: \_\_\_\_\_

|  |     |    |
|--|-----|----|
| Crop rotation:                         | yes | no |
| Soybean part of your rotation program: | yes | no |

Describe a typical rotation: \_\_\_\_\_

|                                    |                  |                     |               |
|------------------------------------|------------------|---------------------|---------------|
| Cultivar growth habit:             | short grower     | long grower         |               |
| Closest planting densities:        | 25 000 plants/ha | 35 000 plants/ha    |               |
| Irrigation:                        | dry land         | overhead irrigation |               |
| Irrigation scheduling done:        | yes              | no                  |               |
| Nitrogen application to soil:      | not usually      | before plant        | side-dressing |
| Manure incorporated into the soil: | yes              | no                  |               |
| Soil preparation:                  | no till          | conventional        |               |
| Crop residue removed:              | burn             | disc                | none          |