

# Crop Profile Update Form: Dry Bean Integrated Pest Management: Diseases

Name:

Province:

CropYear:

Following is a list of non-chemical pest management practices that are used to manage plant pests. Please select the appropriate choice from the drop down boxes to indicate whether the practice is “used”, “not used”, “not applicable” or whether the use and applicability of a particular practice in your province is “unknown”. Spaces are provided at the end of the list, to add practices that are not included. (Please be sure to complete the information in the drop down boxes, for each pest for the added practices).

## Definitions of terms

**Used**

The practice is known to be used by at least some growers in the province to manage this pest.

**Not used**

This practice has the potential to impact the survival and damage caused by the pest, but is not used by growers in the province (to the best of your knowledge).

**Not applicable**

This practice does not fit with the biology of the pest or crop production system and would have no impact on the survival and damage caused by this pest, if implemented.

**Unknown**

Choose this option if you have no knowledge regarding the use and applicability of the practice to this pest in the province. For example: A small group of experts have gotten together to respond to this form and collectively they have no knowledge about the use of this practice for this pest.

Anthracnose

Bacterial blight

White mould  
(sclerotinia)

Root rot

Bean common  
mosaic

**Avoidance:**

01. resistant varieties

Select

Select

Select

Select

Select

02. planting / harvest date adjustment

Select

Select

Select

Select

Select

03. crop rotation

Select

Select

Select

Select

Select

04. choice of planting site

Select

Select

Select

Select

Select

05. optimizing fertilization

Select

Select

Select

Select

Select

06. reducing mechanical damage or  
insect damage

Select

Select

Select

Select

Select

07. thinning / pruning

Select

Select

Select

Select

Select

08. use of disease-free seed, transplants

Select

Select

Select

Select

Select



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**Prevention:**

11. equipment sanitation

Select

Select

Select

Select

Select

12. mowing / mulching/ flaming

Select

Select

Select

Select

Select

13. modification of plant density (row or  
plant spacing; seeding rate)

Select

Select

Select

Select

Select

14. seeding/ planting depth

Select

Select

Select

Select

Select

15. water / irrigation management

Select

Select

Select

Select

Select

16. end of season crop residue  
removal/ management

Select

Select

Select

Select

Select

17. pruning out / removal of infected plant  
material throughout the growing season

Select

Select

Select

Select

Select

18. tillage/ cultivation

Select

Select

Select

Select

Select

19. removal of other hosts (weeds /  
volunteers / wild plants)

Select

Select

Select

Select

Select



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**Monitoring:**

21. scouting - trapping

Select

Select

Select

Select

Select

22. records to track diseases

Select

Select

Select

Select

Select

23. soil analysis

Select

Select

Select

Select

Select

24. weather monitoring for disease  
forecasting

Select

Select

Select

Select

Select

25. use of portable electronic devices in the  
field, to access pest identification/ management  
information

Select

Select

Select

Select

Select

26. use of precision agriculture technology  
(GPS, GIS) for data collection and field  
mapping of pests

Select

Select

Select

Select

Select

EXAMPLE



Anthracnose

Bacterial blight

White mould  
(sclerotinia)

Root rot

Bean common  
mosaic

**Decision making tools:**

31. economic threshold

Select

Select

Select

Select

Select

32. weather/ weather based forecast/  
predictive model

Select

Select

Select

Select

Select

33. recommendation from crop specialist

Select

Select

Select

Select

Select

34. first appearance of pest or pest life stage

Select

Select

Select

Select

Select

35. observed crop damage

Select

Select

Select

Select

Select

36. crop stage

Select

Select

Select

Select

Select

**Suppression:**

41. pesticide rotation for resistance  
management

Select

Select

Select

Select

Select

42. soil amendments

Select

Select

Select

Select

Select

43. biological pesticides

Select

Select

Select

Select

Select

44. controlled atmosphere storage

Select

Select

Select

Select

Select

45. targeted pesticide applications  
(banding, perimeter sprays, variable  
rate sprayers, GPS, etc)

Select

Select

Select

Select

Select

EXTAMPLE



Anthracnose

Bacterial blight

White mould  
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Bean common  
mosaic

**New practices:**

61.

Select

Select

Select

Select

Select

62.

Select

Select

Select

Select

Select

63.

Select

Select

Select

Select

Select

Once all data has been entered, save your responses and return the completed form as an email attachment to:  
[CropProfiles@agr.gc.ca](mailto:CropProfiles@agr.gc.ca)

EXAMPLE