Anthracnose disease: The chlorotic lesions start on the leaves as circular brown rotting areas. Later the young pods are also attacked. The disease lower yield as it affects normal kernel/ grain development. There is need to determine Integrated disease management (IDP) exploiting any two of the biological, chemical and cultural/ physical methods.

**Integrated Pest Management (IPM) principles for Anthracnose disease**

**Cultural options input:** Planting bean crop in a fresh field plot could mean breaking the earlier previous infection. Use plot fields which had been planted with non Leguminacea. Or a field which had been fallow for 2-3 years. It important to fertilizer the crop from planting.
**Biological agent enrichment:** How would one provide presence of natural enemies of bean Anthracnose disease? With no immediate tested beneficial organism introduced in the agro ecosystem, it would be important to look out for possible candidate. The use of a suitable fungicide choice would be important.

**Judicial use of chemicals:** The selected fungicide choice for control / management of Anthracnose disease ought to be short duration, that is, highly biodegradable. This will make sure no pollution of the environment and harming of the none-target organisms.

**Mandate Centres for bean crop are:**
- KALRO-Kakamega (Food Crops Research Institute)
- KALRO-Katumani (Agricultural Mechanization Research Institute)
- KALRO-Kitale (Food Crops Research Institute)
- KALRO-Embu (Food Crops Research Institute)


**Major bean producing counties**
- Nyeri, Laikipia, Murang’a, Kiambu, Kakamega, Machakos, Naroko, Nakuru, Meru, Embu

**Crop Expert (s) Name :** D. Mutisya, D. Karanja, L. Wasilwa, V. Kirigua

**Control options**
Farmers from the respective counties will choose what components they would implement to control diseases on their bean crop depending on intensity pest attack. Farmers can seek advice from extension or KALRO Centres as indicated above.

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