

Legume *ipm*PIPE – Good Farming Practices for Foliar and Pod Problems

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The following table summarizes IPM and Good Farming Practices that can be recommended to legume growers for management of priority foliar plant diseases and insect pests, which may affect one or more legume groups in one or more production regions of North America.

Effectiveness of Practice: L = low, M = Medium and H = High; NA = non available; * = currently non available so the practice received a low ranking; # = Most Relevant to PIPE & RMA – GFP applications

<i>Management Practice:</i>	Volunteer & Weed Control	Crop Rotation	Variety Selection	Seed Quality	Planting Date	Mechanical Tillage	Irrigation & Scheduling	Fertility Rate/Mix	Pesticide & Scheduling
COMMON BEAN (e.g., dry edible, snap, fresh market)									
Soybean Rust	L	H	M	L	M	L	M	M	H #
Common Rust	H #	H	H	L	M	L	M	M	H #
White Mold/Gray Mold	M	H	H	L	M	M	H #	H	H #
Angular Leaf Spot	H #	H	H	H	M	L	M	M	H #
Anthracnose	H #	H	H	H	M	L	M	M	H #
Bacterial Brown Spot	H #	H	M	H	M	M	M	M	H #
Halo Blight	H #	H	M	H	M	M	M	M	H #
Common Bacterial Blight	H #	H	M	H	M	M	M	M	H
Bacterial Wilt	H #	H	M	H	M	M	M	M	L
<i>Alfalfa mosaic virus</i>	M	L	L *	L	M	L	L	L	NA
<i>Bean common mosaic virus</i>	M	L	H	H	L	M	L	L	NA
<i>Bean yellow mosaic virus</i>	M	L	L *	L	M	L	L	L	NA
<i>Begomoviruses</i>	L	M	M	L	L	L	L	L	H
Curtoviruses (e.g., BCTV)	M	L	H	L	H #	L	L	L	NA
<i>Cucumber mosaic virus</i>	M	L	L *	L	m	L	L	L	NA
Aphids	M	L	L *	L	M	L	L	M	NA
Beetles	L	L	L *	L	M	L	L	M	M
Leafhoppers	H #	L	L *	L	H #	L	L	M	H #
Thrips	M	L	L *	L	M	L	M	M	M
Whiteflies	M	L	L *	L	M	L	L	M	L
Spider Mites	L	L	L *	L	M	L	M	M	H #

Notes: This table does not include soil-borne diseases and pests. Management options summarized from various resources including the APS *Compendium on Bean Diseases – 2nd Ed.*, and Regional Extension Bulletins. When pesticides are an option, consult current pesticide labels and resources such as legume industry representatives, crop consultants, and university extension specialists

