

Soybean pests and crop monitoring activities.

Routine	Occasional
Pre-emergence (after planting but before emergence)	
Weed assessment, seed diseases/damping off (Pythium, Phytophthora, Rhizoctonia) seed corn maggot, white grub, wireworm, watch for “occasional” pests/problems	Vertebrate damage (birds, rodents), planter problems, poor seed germination, poor soil/moisture conditions
Early Season (seedling to fourth leaf stage)	
Weed assessment, stand counts, seedling diseases/root rots (Pythium, Phytophthora, Rhizoctonia, Fusarium), seed corn maggot, white grub, wireworm, cutworm, slugs, soybean aphid, watch for “occasional” pests/problems	Planter problems, fertilizer burn, poor soil/moisture conditions, herbicide injury, frost damage, drought, nutrient deficiencies, vertebrate damage (birds, rodents, ground hogs, deer)
Mid-Season (vegetative stages to first bloom)	
Weed assessment, Phytophthora, Rhizoctonia, Fusarium root rots, soybean aphid, foliar disease, soybean rust, watch for “occasional” pests/problems	Defoliators (Japanese beetle, Mexican bean beetle, green cloverworm, bean leaf beetle), thrips, potato leafhopper, vertebrate damage, spider mites, hail, poor soil moisture conditions, herbicide injury, nutrient deficiencies
Reproductive (flowering to pod fill)	
Soybean aphid, soybean rust, downy mildew, pod and stem blight, anthracnose, brown spot, white mold/Sclerotinia, Phytophthora pod and stem rot, weed survey, watch for “occasional” pests/problems	Defoliators (Japanese beetle, Mexican bean beetle, green cloverworm, bean leaf beetle), thrips, potato leafhopper, vertebrate damage, spider mites, grasshoppers, hail, poor soil moisture conditions, nutrient deficiencies, lightning