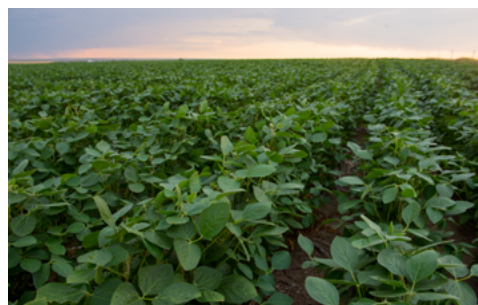




BEST MANAGEMENT PRACTICES

Chapter 28:
Soybean Scouting and Management
Calendar



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Scouting the soybean field is an integral part of the management plan for a grower. A regular scouting program helps to prevent serious pest infestations that could reduce yield. Scouting information is essential for decision making. The following scouting and management calendar is designed for soybean production in South Dakota. The time guidelines are based on averages from year to year. As you look at your current cropping year, considerations should be made for growing degree days (GDD), climatic variations, location in the state, and management changes in the operation.

Soybean Management Schedule

	1-Jan	8-Jan	15-Jan	22-Jan	29-Jan	5-Feb	12-Feb	19-Feb	26-Feb	5-Mar	12-Mar	19-Mar	26-Mar	2-Apr	9-Apr	16-Apr	23-Apr	30-Apr	7-May	14-May	21-May	28-May	
Growth Stages																				P	VE	VC	V1
Begin planning																							
Grain bin spring inspection (Accomplish weekly and when there is temperature change)																							
Chapter 42 Soybean Manual																							
Education program-data & information distribution																							
Chapter 2 Soybean Manual																							
Soil sampling if not done in fall																							
Chapter 18 Soybean Manual																							
Broadcast recommended fertilization																							
Chapter 17 Soybean Manual																							
Burndown winter annual weeds (no-till)																							
Chapter 34 Soybean Manual																							

Soybean Management Schedule

	30-Apr	7-May	14-May	21-May	28-May	4-Jun	11-Jun	18-Jun	25-Jun	2-Jul	9-Jul	16-Jul	23-Jul	30-Jul	6-Aug	13-Aug	20-Aug	27-Aug	3-Sep	10-Sep	17-Sep	
Growth Stages		P	VE	VC	V1	V3	V4	V6	R2	R3	R4	R5			R6		R7	R8			harvest	
Planting																						
Chapter 10 Soybean Manual																						
Survey no till and early season weeds																						
Chapter 34 Soybean Manual																						
Scout Phytophthora Root/Stem Rot http://wiki.bugwood.org/NPIP:Phytophthora_root_and_stem_rot_on_soybean , additionally, Chapter 59 Soybean BMP manual																						
Scout Damping off/Pythium Seed Rot http://wiki.bugwood.org/NPIP:Damping_off_and_seed_decay_on_soybean , additionally, Chapter 59 Soybean BMP manual																						
EPP herbicide (10-30 days before planting)																						
Chapter 34 Soybean Manual																						
Watch for root rots and Rhizoctonia (specific conditions) http://wiki.bugwood.org/NPIP:Rhizoctonia_root_rot_on_soybean , additionally, Chapter 59 Soybean BMP manual																						

Soybean Management Schedule

	30-Apr	7-May	14-May	21-May	28-May	4-Jun	11-Jun	18-Jun	25-Jun	2-Jul	9-Jul	16-Jul	23-Jul	30-Jul	6-Aug	13-Aug	20-Aug	27-Aug	3-Sep	10-Sep	17-Sep	
Growth Stages		P	VE	VC	V1	V3	V4	V6	R2	R3	R4	R5			R6		R7	R8			harvest	
Scout white grubs (watch for plant clipping) http://wiki.bugwood.org/NPIP:White_grubs_on_soybean																						
Scout black cutworm (watch for plant clipping) http://wiki.bugwood.org/NPIP:Black_cutworm																						
Scout Seed Corn Maggot (watch for plant clipping) http://wiki.bugwood.org/NPIP:Seedcorn_maggot_on_soybean																						
Scout wire worms (watch for plant clipping) http://wiki.bugwood.org/NPIP:Wireworms_on_soybean																						
Scout for bean leaf beetle http://wiki.bugwood.org/NPIP:Bean_leaf_beetle , additionally, Chapter 36 Soybean BMP manual																						
Evaluate Crop Stand																						
Chapter 13 Soybean Manual																						
Scout Soybean Mosaic Virus http://wiki.bugwood.org/NPIP:Soybean_mosaic_virus_on_soybean , additionally, Chapter 60 Soybean BMP manual																						
Scout Bean Pod Mottle Virus http://wiki.bugwood.org/NPIP:Bean_pod_mottle_virus , additionally, Chapter 60 Soybean BMP manual																						
Scout Brown Spot http://wiki.bugwood.org/NPIP:Brown_spot_on_soybean , additionally, Chapter 59 Soybean BMP manual																						
Seeding (June 25 last suggested seeding date)																						
Chapter 10 Soybean Manual																						
PPI herbicide prior to planting																						
Chapter 34 Soybean Manual																						
Watch for SCN females in roots (30 days after planting) http://wiki.bugwood.org/NPIP:Soybean_cyst_nematode , additionally, Chapter 57 Soybean BMP manual																						
Scout Emergence and determine population count																						
Chapter 13 Soybean Manual																						

Soybean Management Schedule

	28-May	4-Jun	11-Jun	18-Jun	25-Jun	2-Jul	9-Jul	16-Jul	23-Jul	30-Jul	6-Aug	13-Aug	20-Aug	27-Aug	3-Sep	10-Sep	17-Sep
Growth Stages	V1	V3	V4	V6	R2	R3	R4	R5	R6	R7	R8	harvest					
Scout Downy Mildew http://wiki.bugwood.org/NPIP:Peronospora_manshurica_%28soybean%29 , additionally, Chapter 59 Soybean BMP manual																	
Scout Cercospora Leaf Spot http://wiki.bugwood.org/NPIP:Cercospora_leaf_blight_and_purple_seed_stain , additionally, Chapter 59 Soybean BMP manual																	
Scout woollybear caterpillar (watch for defoliation) http://wiki.bugwood.org/NPIP:Saltmarsh_caterpillar_and_other_wollybear_caterpillars_on_soybean , additionally, Chapter 37 Soybean BMP manual																	
Scout army worm http://wiki.bugwood.org/NPIP:Armyworms_on_soybean , additionally, Chapter 37 Soybean BMP manual																	
Scout Grasshoppers (watch for defoliation) http://wiki.bugwood.org/NPIP:Grasshoppers_on_soybean , additionally, Chapter 37 Soybean BMP manual																	
Scout Soybean Aphids http://wiki.bugwood.org/NPIP:Soybean_aphid , additionally, Chapter 35 Soybean BMP manual																	
Scout Japanese beetle http://wiki.bugwood.org/NPIP:Japanese_beetle_on_soybean , additionally, Chapter 27 Soybean BMP manual																	
Scout for green clover worm http://wiki.bugwood.org/NPIP:Green_cloverworm , additionally, Chapter 37 Soybean BMP manual																	
Check roots for cysts http://wiki.bugwood.org/NPIP:Soybean_cyst_nematode , additionally, Chapter 57 Soybean BMP manual																	
Early post weed control (2-4 wks after planting) Chapter 34 Soybean Manual																	
Scout for Bacterial Leaf Blight http://wiki.bugwood.org/NPIP:Bacterial_blight_on_soybean , additionally, Chapter 58 Soybean BMP manual																	

Soybean Management Schedule

	11-Jun	18-Jun	25-Jun	2-Jul	9-Jul	16-Jul	23-Jul	30-Jul	6-Aug	13-Aug	20-Aug	27-Aug	3-Sep	10-Sep	17-Sep	24-Sep	1-Oct	8-Oct	15-Oct
Growth Stages	V4	V6	R2	R3	R4	R5	R6	R7	R8	harvest									
Scout Phytophthora Root/Stem Rot (Second event) http://wiki.bugwood.org/NPIP:Phytophthora_root_and_stem_rot_on_soybean , additionally, Chapter 59 Soybean BMP manual																			
Scout for Soybean Cyst Nematode http://wiki.bugwood.org/NPIP:Soybean_cyst_nematode , additionally, Chapter 57 Soybean BMP manual																			
Scout Early Season weeds Chapter 34 Soybean Manual																			
Second post herbicide prior to full crop canopy Chapter 34 Soybean Manual																			
Scout Anthracnose http://wiki.bugwood.org/NPIP:Anthracnose_on_soybean , additionally, Chapter 59 Soybean BMP manual																			
Scout Two Spotted spider Mites (if hot dry weather conditions) http://wiki.bugwood.org/NPIP:Spider_mite_on_soybean , additionally, Chapter 37 Soybean BMP manual																			
Scout Thrips (if hot dry weather conditions) http://extension.entm.purdue.edu/fieldcropsipm/insects/soybean-thrips.php																			
Accomplish Soybean Leaf Tissue Testing Chapter 17 Assessing A Soil Fertility Program, Tissue Sampling																			
Scout Frogeye Leaf spot http://wiki.bugwood.org/NPIP:Frogeye_leaf_spot_on_soybean , additionally, Chapter 27 Soybean BMP manual																			
Scout Volunteer Corn Chapter 34 Soybean Manual																			
Scout Brown Stem Rot http://wiki.bugwood.org/NPIP:Brown_stem_rot_of_soybean , additionally, Chapter 59 Soybean BMP manual																			
Scout Sudden death Syndrome http://wiki.bugwood.org/NPIP:Sudden_death_syndrome_on_soybean , additionally, Chapter 59 Soybean BMP manual																			

Soybean Management Schedule

	9-Jul	16-Jul	23-Jul	30-Jul	6-Aug	13-Aug	20-Aug	27-Aug	3-Sep	10-Sep	17-Sep	24-Sep	1-Oct	8-Oct	15-Oct
Growth Stages	R3	R4	R5			R6		R7	R8		harvest				
Scout Sclerotinia Stem Rot (white mold) http://wiki.bugwood.org/NPIPM:Sclerotinia_stem_rot_on_soybean , additionally, Chapter 59 Soybean BMP manual															
Scout Pod and Stem Blight http://wiki.bugwood.org/NPIPM:Pod_and_stem_blight_on_soybean , additionally, Chapter 59 Soybean BMP manual															
Scout Northern Stem Canker http://wiki.bugwood.org/NPIPM:Stem_canker_on_soybean , additionally, Chapter 59 Soybean BMP manual															
Spot weed control, volunteer corn (chop, buggy, etc) Chapter 34 Soybean Manual															
Scout for Stunting due to SCN evidence http://wiki.bugwood.org/NPIPM:Soybean_cyst_nematode , additionally, Chapter 57 Soybean BMP manual															
Monitor Pod development Chapter 3 Soybean Growth and Development															
Scout Bean Leaf Beetle (Second event) http://wiki.bugwood.org/NPIPM:Bean_leaf_beetle , additionally, Chapter 36 Soybean BMP manual															
Scout Charcoal Rot http://wiki.bugwood.org/NPIPM:Charcoal_rot , additionally, Chapter 59 Soybean BMP manual															
Scout and count Full pod Chapter 41 Soybean Manual															
Assess overall weed control and map problem areas Chapter 34 Soybean Manual															
Full seed development Chapter 3 Soybean Manual															
Inspect preharvest empty grain bins for pests Chapter 42 Soybean Manual															
Evaluate weed escapes Chapter 34 Soybean Manual															

Soybean Management Schedule

	10-Sep	17-Sep	24-Sep	1-Oct	8-Oct	15-Oct	22-Oct	29-Oct	5-Nov	12-Nov	19-Nov	26-Nov	3-Dec	10-Dec	17-Dec	24-Dec	31-Dec
Growth Stages		harvest															
Full maturity and dry Chapter 3 Soybean Manual																	
Harvest Chapter 40 Soybean Manual																	
Preharvest herbicide for perennial weeds Chapter 34 Soybean Manual																	
Accomplish fall soil sampling Chapter 18 Soybean Manual																	
Fall tillage preparation http://extension.entm.purdue.edu/fieldcropsipm/insects/soybean-thrips.php																	
Soil sample for next years crop Chapter 18 Soybean Manual																	

References and additional information

Osborne, L.E., D.L. Deneke, T. Chase, and M. Langham. 2010. Soybean Diseases – A Pictorial Guide for South Dakota. EC932. South Dakota State University, SDSU Extension, Brookings, SD.

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