K-STATE RESEARCH & EXTENSION

Field Diagnosis Check List

Things to take to the field: shovel, moisture probe, soil test probe, soil sample bags, plastic bucket, zip lock bags and trash bags with twist ties, hand lens, pocket knife, camera, collection of crop production handbooks and diagnosing production problems booklets, plant disease and weed books.

Cooperator	County				
Field name or #	Soil series				
Present crop	Planting date	Planting rate			
Variety/hybrid	Type of planter				
Soil condition at planting					
Problem Assessment					
Date symptoms first appeared					
Visible symptoms: Stunting	Wilting	Leaf tip dieback			
Discoloration (what color, whi	ch leaves or parts o	f leaves)			
Leaf spots or injury	Abnor	mal/twisted growth			
Mosaic pattern	Damage to room	ts			
Insect damage	Disease sympt	toms			
Field pattern of symptoms: Th	in stands	Yellowing			
Browning St	trips in field	Edge of field			
Width of pattern	Does pattern m	natch equipment width?			
Could previous crop managem	ent have caused pro	oblem?			
Have there been any recent we	eather conditions tha	at could have caused the problem?			
Are there any areas in the field	I that look normal?_				
Describe growth stage and rela	ative size of normal	plants compared to affected plants			

Current management practices

Herbicide(s)		_ When & ra	te applied				
Method of application	olication Other herbicide considerations						
Fertility program: L	ist source and amor	unt of N P ₂ O	₅ K ₂ O S Zn	Other			
preplant				_			
planting time starter	r						
topdress/sidedress _				_			
Total				-			
Other fertility considerations	derations (such as r	nanure applic	ations)				
Insecticide(s)	Whe	en & how mu	ch applied				
Method of application	on						
Other insecticide co	onsiderations						
Seed treatment (incl	luding inoculants) _						
Field History							
Tillage: type and nu	umber of operations	i					
Any compaction pro	oblems (tilled wet?))					
General soil conditients.)					pots, deep/good		
Was previous crop i	residue distributed i	uniformly?					
Soil test results: nut	rient levels N	P	K	pH	_		
Organic matter	year sampled _	sampli	ng depth				
Other consideration	s about soil test						
Irrigation: Type		Amount		_			
Water electroconduc	ctivity						
Any irrigation probl	lems						
Previous crop							

Fertility		
Herbicides	When applied & rate	
Level of weed control	Weather conditions	
Type of tillage	Harvest conditions	
Compaction	Yield level	
Draw a map of where the dam	aged areas occur in the field:	

For more information and help, please contact your local County Research & Extension agent.

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