## Fertility Treatment Example

## (Using the example field conditions sheet at end)

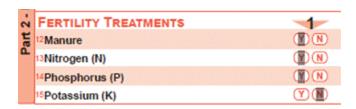
## Example 1: We have a Land Class 1 or 2 (Corn)

Manure: Mark YES (as Manure is available and Nitrogen & Phosphorus are both needed & not over applied )

Nitrogen: 25# in soil + 95# in manure = 120# (crop needs 145#): Mark YES (needs 25# Nitrogen added)

Phosphorus: 10# in soil + 50# in manure = 60# (crop needs 65#): Mark YES (needs 5# Phosphorus added)

Potassium: 310# in soil + 10# in manure = 320# (crop needs 180#): Mark NO (does not need Potassium added)



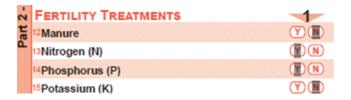
#### Example 2: We have a Land Class 3 or 4 (Spring Wheat)

Manure: Mark NO (as Manure is available, but Phosphorus cannot be over applied with 10# in soil + 50# in manure = 60# & crop only needs 25#)

Nitrogen: 25# in soil (crop needs 120#): Mark YES (needs 95# Nitrogen added)

Phosphorus: 10# in soil (crop needs 25#): Mark YES (needs 15# Phosphorus added)

Potassium: 310# in soil (crop needs 75#): Mark NO (does not need Potassium added)



# Example 3: We have a Land Class 6 or 7 (Grass)

Manure: Mark NO (as Manure is available, but Nitrogen cannot be over applied with 25# in soil + 95# in manure = 120# & grass only needs 25# & Phosphorus cannot be over applied with 10# in soil + 50# in manure = 60# & grass only needs 35#)

Nitrogen: 25# in soil (grass needs 25#): Mark NO (does not need Nitrogen added)

Phosphorus: 10# in soil (grass needs 35#): Mark YES (needs 25# Phosphorus added)

Potassium: 310# in soil (grass needs 140#): Mark NO (does not need Potassium added)



# South Dakota Land & Homesite Judging Field Conditions

Field	Number	1

				was10 depth at _		inches
				times in		
Soil	test le	vels are:				
25	lbs	/a N _	10	_lbs/a P	310	lbs/a K
Live	estock	manure a	availab	le (yes/no	)	YES
Nut	rient va	alue of n	nanure:	at 10 ton	s/acre	rate only
95 lbs/a N						
Cro	p/plant	to be gr	own an	nd nutrien	t requi	rements:
If Land Class I/II then:						
	145	_lbs/a N	65	lbs/a P _	180	_lbs/a K
If Land Class III/IV then: SPRING WHEAT						
	120	_lbs/a N	25	lbs/a P _	75	_lbs/a K
If	Land C	lass V/VI	/VII the	en: GRA	ss	
If				en:GRA		_lbs/a K

- Pay no attention to practices on the field
- Consider the most intensive use of the land