

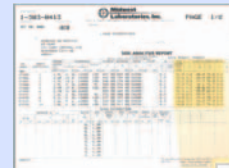
River Bottom Soils and MK Pelletized Gypsum

Why is Calcium Sulfate Important to River Bottom Soils?

- It is critical that the Calcium to Magnesium ratio be at least 3.5 to 1.
- Calcium is a key element in the soil that enhances root development, plant health, nutrient uptake and chemical effectiveness.
- River Bottom soils are many times composed of tight clay particles which inhibit the movement of oxygen and water into the soil.
- Sulfur is a key nutrient for corn and soybean production.
- Finely ground pelletized gypsum is the best and most economical way to put calcium and sulfur in its most available form to the plant.

How can I determine whether or not I need Calcium Sulfate?

- If Calcium to Magnesium ratio is below 3.5, then adding calcium sulfate will move this ratio to the desired level.
- If you have a tight clay soil (Cation Exchange Capacity is High), then calcium sulfate will loosen this soil and enhance the infiltration of oxygen and water.



Soil Test

SOIL PT 11	pH	BUFFER INDEX	CATION EXCHANGE CAPACITY (CEC) meq/100g	PERCENT BASE SATURATION (COMPUED)				
				N K	S Mg	S Ca	N H	N Na
8.1	21.9	4.8	22.4	72.8	0.0			
7.9	23.6	5.3	26.4	68.3	0.0			
8.1	13.1	5.8	17.7	76.5	0.0			
8.1	17.3	5.2	18.1	76.7	0.0			
7.9	23.1	6.2	28.8	65.0	0.0			
8.1	22.0	6.0	25.5	68.5	0.0			
8.0	17.4	5.5	23.4	71.1	0.0			
8.1	13.5	5.3	19.0	75.7	0.0			
8.3	13.2	5.7	16.9	77.4	0.0			
8.1	16.8	5.1	20.7	74.2	0.0			

Why should I use MK Pelletized Gypsum?

- MK Pelletized Gypsum is ground into a fine powder using MK's unique pulverization process. It is ground to 76% passing a 200 mesh screen before it is granulated.
- It is in a granule form that should be applied at a rate of 300-400 lbs per acre.
- Can be blended with other dry fertilizer and applied from fall through spring pre-plant.
- Contains 22% calcium and 16% sulfur.



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Plant location - Wathena, KS