

FI-3500 PAM TABLETS

Pam Tablets by JRM Chemical are linear compound polymers that help maintain soil structure and reduce soil erosion. The tablets are anionic, high molecular weight linear polyacrylamide/acrylic acid polymers designed to flocculate discharge water which reduces soil erosion. When placed in the discharged water, the polymer will have a negative charge (anionic) once the sodium is released from the polymer chain.

The negative charged polymer will form a bridge with positive charged parts of the suspended soils in the water and make larger soil aggregates. The larger soil aggregates will settle to the bottom of the discharge water which reduces soil erosion. The anionic polymer bonds soil particles along the discharge water channels and maintains soil structure.

Pam Tablets are designed to reduce soil erosion in channels and in furrow irrigation. The tablets increase the bonding among suspended soil particles forming larger aggregates that will settle to the bottom of the channel and furrow which reduce soil erosion, chemical and fertilizer run off.

APPLICATIONS:

Discharge Water.

Place 30-50 tablets in the supplied nylon mesh bag. Tie a knot in the mesh bag 2-3 inches above the tablets. Place the bag in the center of the water flow. Fasten and stake the mesh bag. As an alternative, the bag can be suspended over the discharge ditch and the tablets are placed in the water flow. Check the flow of water in the discharge ditch to ensure product is placed at the point of most turbidity. Periodically check application sites to ensure placement and add any additional tablets as needed.

APPLICATION IN THE DITCH (AGRICULTURE)

Use one tablet for every two inches of water. On flat ground, use one tablet for every 4 inches of water. The tablet must be placed in a mesh bag to allow good water flow to circulate around the product. As a general guideline, use 7 to 8 tablets per acre.

Place the required amount of tablets in a mesh bag at the head of the ditch. The mesh bag must be placed at least 100 feet above where treated water enters the drain tubes.

APPLICATION DIRECT IN FURROW (AGRICULTURE):

The pool (where the siphon tube empties on the field) should be at least 5 inches deep. This helps prevent the tablet from traveling down the furrow.

The water flow should be directly on and around the tablet. 3/4" to 1" siphon tubes are preferred. This helps prevent the tablet from traveling down the furrow.

PIVOT AND LINEAR IRRIGATION:

The tablet is designed to reduce problems with rutting in the wheel tracks of centerpivot and linear move irrigation equipment. Ruts are caused by suspended soil particles flowing with water in wheel tracks and forming an impermeable seal in the bottom of the track. This causes water to sit in the track; it will mix with soil to form mud which is pushed out of the track as the tires roll through the field. The anionic polymer tablet will bond the soil particles and maintain soil structure. This allows water infiltration into the soil, reducing the amount of mud formed and preventing the bottom of the track from sealing.

APPLICATION:

Place the appropriate number of tablets (see table below) in the mesh bag and directly secure in the path of water flowing from each tower into the wheel track (suspending bag from basebeam center drive motor mount is recommended):

8 TOWER CENTER PIVOT SYSTEM - 160 foot span

Tower:	1	2	3	4	5	6	7	8
Tablets/mesh bag	8	16	24	30	35	44	52	62
Pounds per bag:	0.9	1.7	2.6	3.3	3.9	4.8	5.7	6.8

7 TOWER CENTER PIVOT SYSTEM - 180 foot span

Tower:	1	2	3	4	5	6	7
Tablets/mesh bag	8	16	24	32	40	50	60
Pounds per bag:	0.9	1.7	2.6	3.5	4.4	5.5	6.6

Use one tablet per 80 feet of wheel track length.

For Linear Machines, all bags should contain an equal number of tablets.

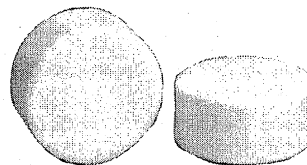
STORAGE: Store products in a cool, dry location. Keep out of direct sunlight.
Store unused product in the original container with the lid firmly closed.

PACKAGE: 300 tablets (33 pounds) per six gallon pail. Pre packed with 9 nylon mesh bags.

SHELF LIFE: One year

TABLET CHARACTERISTICS:

Chemical:	Anionic linear acrylamide/acrylic acid copolymer
Appearance:	Solid White
Weight:	1.7 ounces (50 grams)
Diameter:	2.0 inches (5.08 cm)
pH:	Neutral
Usable pH:	5.0 - 9.0
Shelf Life:	1 year
Storage Temperature:	32° F - 95° F (0 - 35° C)
Active Ingredients:	40%
Inert Ingredients:	60%



ACUTE TOXICITY:

Algae:	IC50 / Scenedesmus subspicatus / 72 hours > 500mg/L
Fish:	LC/50 Danio rerio / 96 hours > 100mg/L
Daphnids:	EC/50 Daphnia magna / 48 hours > 100mg/L
Biodegradation:	Not readily biodegradable.
Bioaccumulation:	Does not bioaccumulate.