

# Phosphorus Removal



719 is a biological product containing bacterial cultures specifically formulated to be effective in enhancing municipal waste water biology by increasing phosphorus "luxury uptake". High degrees of enzyme activity in this formulation help to create a low BOD, which is necessary for phosphate reduction and improves effluent quality.

Through extensive research activities, 719 has been developed to involve several strains of bacteria, which have been selected for their ability to perform under both aerobic and anaerobic conditions, and remove phosphorus microbially by aiding the absorption and binding on the phosphorus in cells.

To assure rapid establishment in the biomass, 719 is blended with select biological nutrients and stimulants and is produced under ISO 9001:2008 certified quality conditions.

## Phosphorus Removal

### Benefits of 719:

- Lowers BOD
- Increases phosphorus "Luxury Uptake"
- Enhanced phosphorus removal
- Improves Effluent
- Reduce Odors
- Fast Start-up

### Specifications

Form:	Free-flowing Powder
Color:	Tan
Nutrient Content:	Biological nutrients and stimulants
Plate Count:	3.5 billion per gram

**Storage:** DO NOT FREEZE! Store in cool dry location. Do not inhale dusts, avoid excessive skin contact. SEE M.S.D.S.

**Packaging:** 4, 8 & 16 oz. water soluble packages protected by a resealable overwrap. 25 lbs. per plastic pail • Bulk 25 lbs., 50 lbs. and 100 lbs.

### DIRECTIONS:

**IMHOFF TANKS:** Aids in settling, reduces scum, reduces BOD, reduces phosphates.

1 lb / up to 1/2 MGD	1 lb / 1 MGD
2 lbs / 5 MGD	3 lbs / 10 MGD
4 lbs / 25 MGD	5 lbs / 50 MGD

**AERATION (PLUG FLOW DESIGN FOR BEST RESULTS), SBR's, OXIDATION TANKS:** Reduces BOD, suspended solids, improves settling, reduces phosphates.

1 lb/up to 1/2 MGD	1 lb / 1 MGD
2 lbs/5 MGD	3 lbs / 10 MGD
4 lbs/25 MGD	5 lbs / 50 MGD

**TRICKLING FILTERS:** Reduces BOD, reduces Suspended Solids, improves settling, promotes growth, reduces ponding, reduces phosphates.

1 lb / up to 1/2 MGD	1 lb / 1 MGD
2 lbs / 5 MGD	3 lbs / 10 MGD
4 lbs / 25 MGD	5 lbs / 50 MGD



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