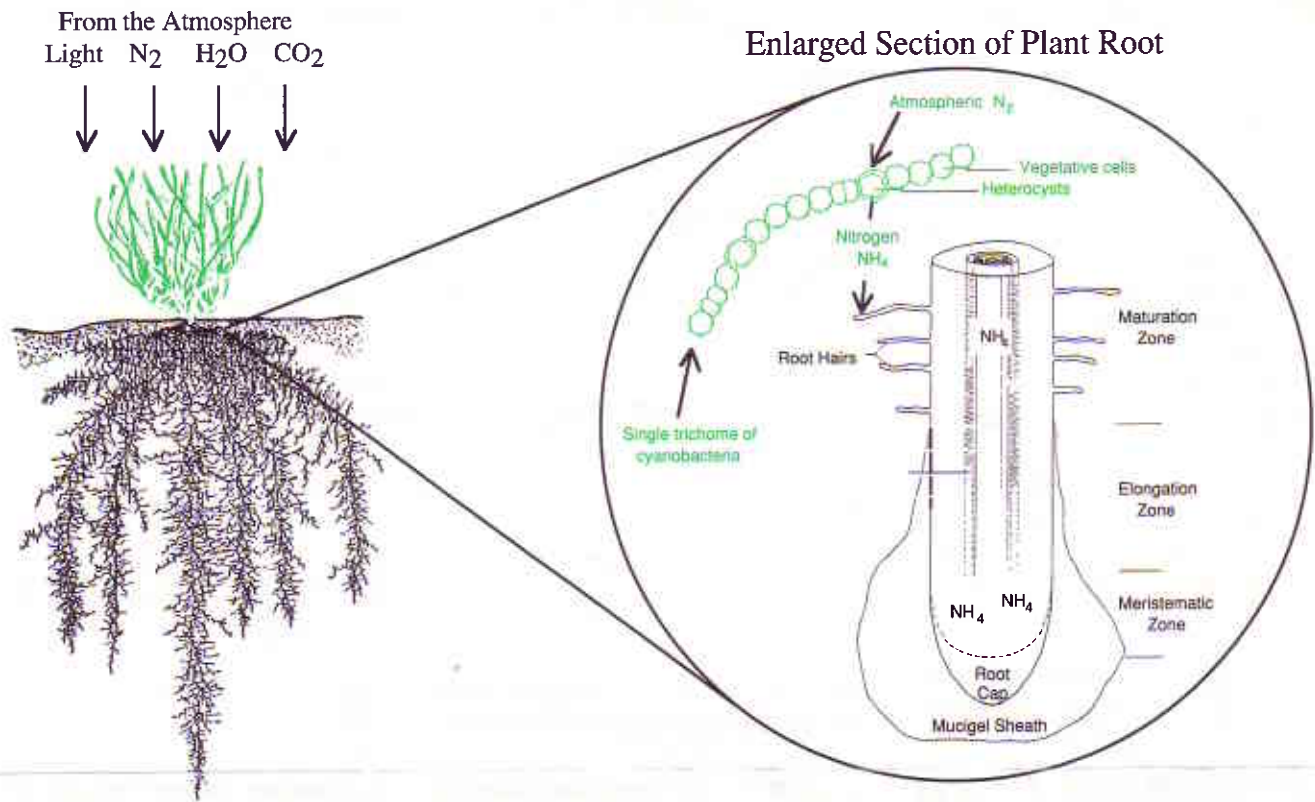


"GROW YOUR OWN NITROGEN"

MICROP 4XL™ - BIOFERTILIZER



Nitrogen, the magic stuff of plant life, is produced in ammonia form (NH_4) by the cyanobacteria (bluegreen algae) in MICROP 4XL. This ammonia is readily absorbed by the root hairs of the plant. Cyanobacteria grow near the soil surface.

MICROP 4XL™ ORGANIC FERTILITY PROGRAM

The heterocyst cell of the bacteria is the site for nitrogen reduction. It is here that atmospheric nitrogen (N_2) is transformed into ammonia (NH_4). This useable form of nitrogen is released by the cell over time. Established as a companion crop on your fields, MICROP 4XL can supply your growing crops with organic nitrogen, up to 30-60 lbs./acre over a 60 day period. Nature's slow-release process assures regular, daily absorption by the plant, for steady, even growth. □

Old Strategy: Spreading tons of fertilizer over your farm ground to supply nitrogen.

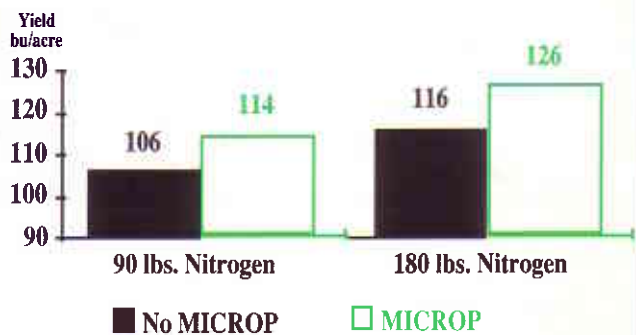
New Strategy: Spray a few ounces of MICROP 4XL and let the cyanobacteria do the work for you, fixing nitrogen and improving the soil.

Old Strategy: "Loading up" the root zone with more than enough fertilizer in the hope that after volatilizing and leaching, enough is available to feed the crop when it needs it.

New Strategy: MICROP 4XL converts atmospheric N_2 into ammonia NH_4 , all day, every day.

"From the point of view of the farmer, algae represent a very desirable crop to get involved with." Dr. Fred Williams, Iowa State University, from a presentation, 'Microalgae and Nitrogen Fixation.' November, 1989.

CORN YIELDS AT DIFFERENT LEVELS OF NITROGEN



Corn yields showed an increase averaging 9 bu./acre following one treatment of MICROP. This effect was observed at each fertilizer level. A connection between nitrogen utilization and MICROP treatment on corn yields can be seen when comparing yields with MICROP at 90 lbs. of N/acre and control at 180 lbs. of N/acre.
SOURCE: Rick Cruise, Ph.D., Iowa State University, Ames, Iowa.