

# 5 MINUTE GUIDE



1

PLANT ROOT EXUDATES ARE A MAJOR SOURCE OF "FOOD" FOR SOIL ORGANISMS. THE PROLIFERATION OF SOIL BACTERIA AND FUNGI IS DEPENDENT UPON ROOT EXUDATES.

2

ROOT EXUDATES ARE COMPOSED OF SHORT AND LONG CHAINED CARBON POLYSACCHARIDES. IF THE CARBON LEVEL IN THE SOIL IS LOW, THE ROOTS BECOME A MAJOR SINK FOR PLANT SUGARS.

3

HIGH BRIX PRODUCTION IS ONLY ACHIEVED WHEN THE ROOTS AND SUBSEQUENT SOIL MICROBES ARE WELL SUPPLIED WITH CARBON.

4

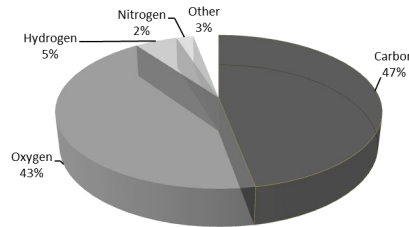
AMENDING THE SOIL WITH DIVERSE, SHORT AND LONG CHAINED, BUFFERED CARBON MIMICS THE ACTIVITIES OF THE PLANT ROOTS.

# 30:1

## SOIL BACTERIA NEED 30 TIMES MORE CARBON THAN NITROGEN

### CARBON IS THE CORNERSTONE OF LIFE

Mineral Composition of a Plant  
Dry Matter Basis



CARBON IS 47% OF THE PLANT ON A DRY MATTER BASIS. SOIL IS ONE OF THE LARGEST POOLS OF CARBON. SOIL ORGANIC CARBON LOSSES HAVE INCREASED DUE TO OVER-APPLICATION OF CHEMICAL FERTILIZERS, HERBICIDES, AND PESTICIDES.

**MOST SOILS NO LONGER HAVE THE CARBON LEVELS NEEDED TO MAINTAIN HIGH QUALITY PRODUCTION AGRICULTURE.**

**C-PLEX** IS A DIVERSE HIGH CARBON MICROBIAL "FOOD" DESIGNED TO MAINTAIN THE ENERGY IN THE SOIL NEEDED FOR HIGH QUALITY, HIGH BRIX PRODUCTION.



LOW VOLUME HIGH ENERGY



SOIL BACTERIA ARE THE FOOD SOURCES FOR HIGHER LEVEL SOIL ORGANISMS. WHEN CONSUMED THEY RELEASE NITROGEN AND OTHER NUTRIENTS INTO THE SOIL FOR PLANT UPTAKE.

**INCREASING YOUR CARBON CAN REDUCE YOUR NITROGEN INPUTS**

C-PLEX IS BUFFERED FOR CONTROLLED RELEASE EFFECTIVELY FEEDING SOIL MICROORGANISMS FOR EXTENDED PERIODS.

**SOIL BORN PATHOGENS CAN BE REDUCED BY INCREASING THE CARBON AND MICROBIAL ACTIVITY OF THE SOIL**



**C-PLEX** IS A COMPLEX SUPERFUSION OF SHORT AND LONG CHAINED CARBONS BUFFERED FOR EXTENDED RELEASE.

MOLECULAR WEIGHTS RANGING FROM 180-300,000+ G/MOL

## APPLICATION RATES

DEPENDING UPON YOUR SOIL TYPE, SOIL ORGANIC CARBON CONTENT, AND MICROBIAL ACTIVITY, **C-PLEX** IS DESIGNED TO BE APPLIED EVERY 5-15 DAYS. ALWAYS CHECK WITH A CROP CONSULTANT BEFORE USE.



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