

# Carbon Builder Soybean™



## Loam Bio's CarbonBuilder 64-37

CarbonBuilder increases your stable soil carbon resulting in long-term soil health and agronomic benefits while requiring minimal practice change.

A new class of microbial seed treatment, the CarbonBuilder technology enhances soil health and boosts farm productivity by leveraging the potential of beneficial fungi.

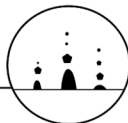
### Delivering on your agronomic and business goals by offering:

#### Long-Term Soil Health Gains



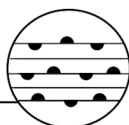
Increasing carbon enables better soil structure, water holding capacity and nutrient retention.

#### Increased Soil Carbon



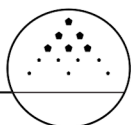
Captures atmospheric carbon, increasing total organic carbon within soil.

#### Promotion of Soil Carbon Stabilization



Stores carbon for long-lasting gains, reducing risks in carbon programs.

#### Easy Application



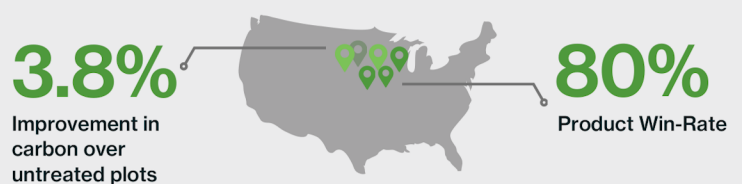
Seamless integration into existing practices as a flowability agent. No new equipment required.

CarbonBuilder is designed to increase your soil health, soil carbon and bottom line.

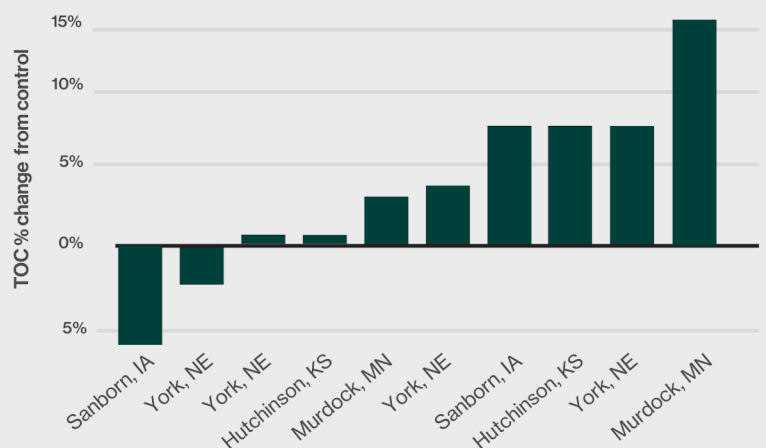
## The Results 2023 Field Trials

By increasing the percentage of carbon in your soil, you increase the amount of carbon credits that you are able to generate.

CarbonBuilder 64-37 product was tested over a range of sites and environments in the 2023 growing season to assess carbon changes.



Percentage change over untreated plots  
Total Organic Carbon (TOC)

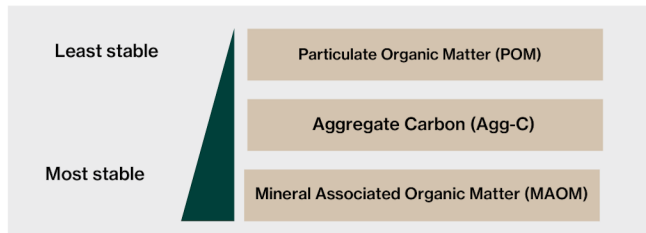


# The Science

## Stable Soil Carbon Capture Mechanism

Building stable carbon is important for soil health and to increase the yield of your carbon credits. By building stable carbon, you decrease the risk of losses under a carbon program.

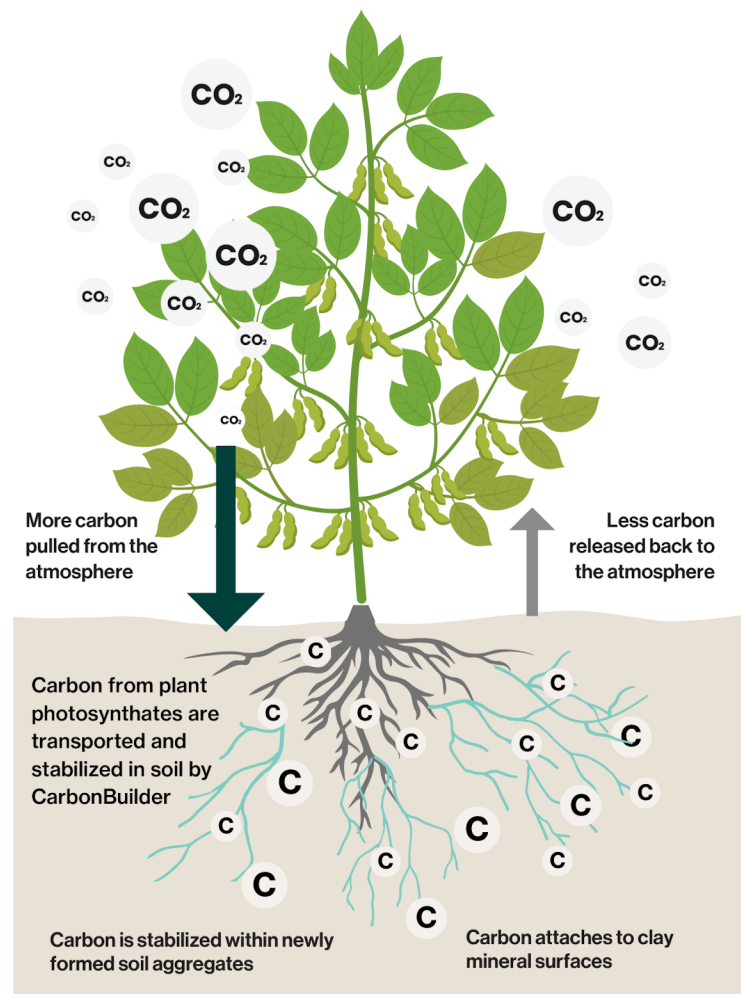
Total organic carbon (TOC) can be defined by three major pools of carbon in our soils:



POM will cycle into and out of the soil within a very short period of time: days to months, whereas Agg-C and MAOM are the most stable pool of carbon in your soil, lasting from decades to centuries.

The CarbonBuilder product family operates by stabilizing carbon within soil micro aggregates trapping and protecting carbon from release. CarbonBuilder products also protects carbon from decomposition by binding it to mineral surfaces.

This means that the carbon that is captured sits in the most stable carbon pools, protecting your carbon asset.



# The Product

## Flowability Over-Treatment

The CarbonBuilder products are formulated by crop type to give the best performance in the field.

CarbonBuilder 64-37 is delivered as an alternative to your flowability over-treatment. Our talc-graphite formulation can be applied to your seed as you are planting, and provides you with a simple 2-in-1 treatment.

## Application rates

**Per seed rate** 3 ounces treats 140,000 seeds (1 unit)

**Per unit rate** 1 level scoop (3 ounces) treats one unit. One 160 ounce pouch of product treats 50 units of soybean seed.

## Fungicide Compatibilities

CarbonBuilder 64-37 has been tested with the most common seed treatments for the soybean crop. Loam recommends that you talk to one of our technical team members prior to using any seed treatments that are not listed on the chart below.

|              |            |              |            |            |        |                  |
|--------------|------------|--------------|------------|------------|--------|------------------|
| Soy Escalate | Soy Upshot | Cruiser Maxx | Agrishield | Brute 4000 | Xitavo | Lumisena / ILEVO |
|--------------|------------|--------------|------------|------------|--------|------------------|

### Key

|                 |
|-----------------|
| Compatible      |
| Less Compatible |

Want to learn more about about the suite of CarbonBuilder products and the performance across trial sites? Scan the QR code to download our product compendium and site case studies.

