

# CarbonBuilder™ Wheat



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

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

The CarbonBuilder technology is a new class of microbial seed treatment that enhances soil health and boosts farm productivity by leveraging the potential of beneficial fungi.

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



▶ **Increased soil carbon**



▶ **Long-term soil health gains**



▶ **Promotion of soil carbon stabilisation**

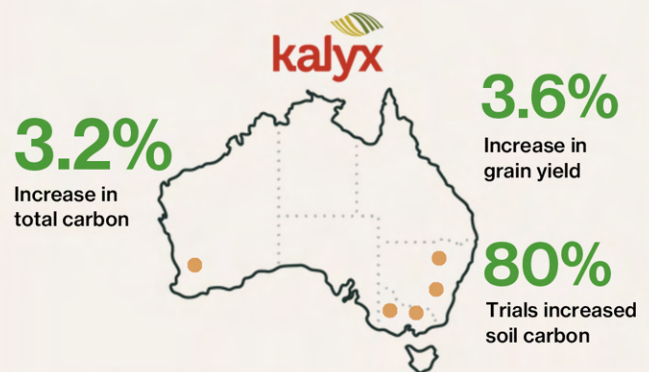


▶ **Easy application**

## The results

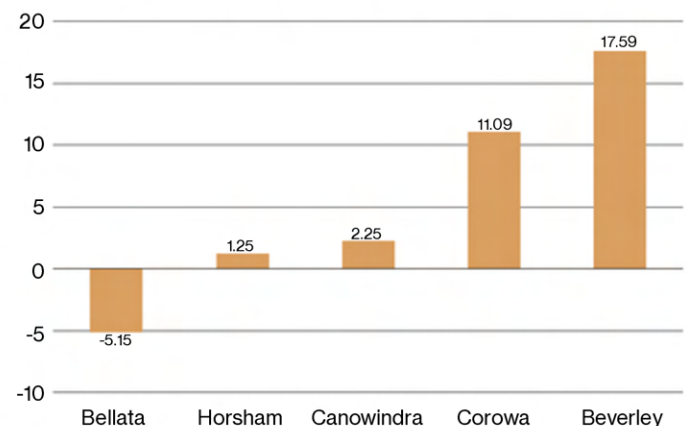
### 2023 Field trials

CarbonBuilder Wheat was tested over a range of sites and environments in the 2023 growing season to assess the change in soil carbon.



### Wheat small plot trials (2023)

Total carbon (TC%) over uninoculated control



**loam**

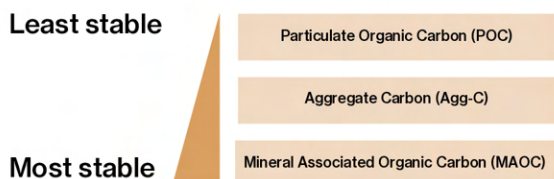
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## The science

### Stable soil carbon capture mechanism

Building stable carbon not only improves soil health but also the performance of your soil carbon project. Total organic carbon (TOC) can be defined by three major pools of carbon in your soil:



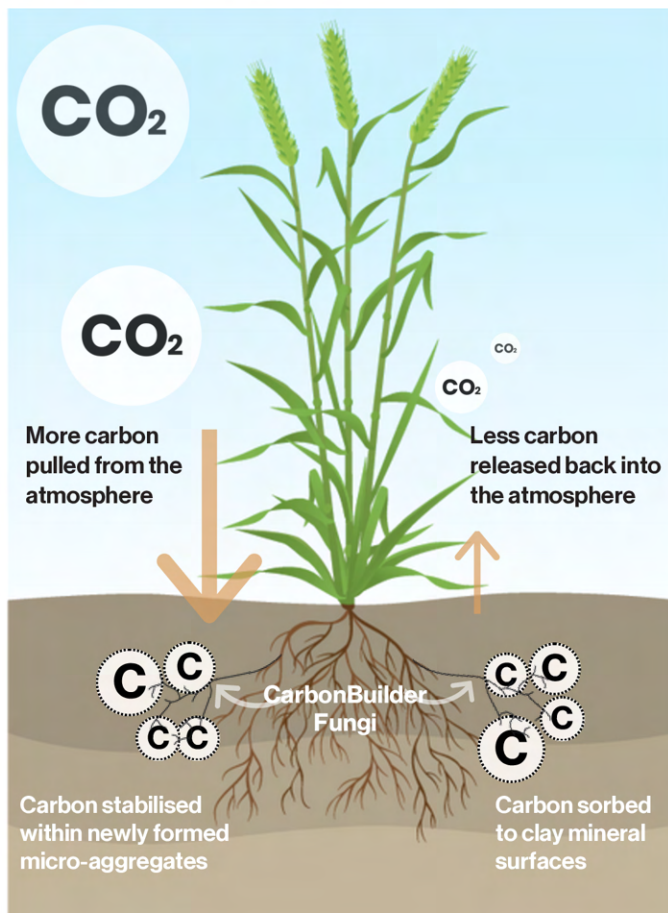
POC will cycle in and out of the soil within a very short period of time (days to months), whereas Agg-C and MAOC are the most stable pools of carbon in your soil, lasting from decades to millennia.

CarbonBuilder fungi increases the formation of carbon bonds with soil minerals (MAOC), protecting this carbon from decomposition. The fungi's mycelium also facilitates the generation of soil aggregates, protecting the Agg-C from oxygen and water.

Read the peer-reviewed publication by Western Sydney University.



## How it works



## Field application



The FurrowMate direct air injection unit is your practical solution to large scale biological additive application.

FurrowMate delivers your CarbonBuilder Wheat into your planting furrow easily, safely and accurately, saving you hours.



## Chemical Compatibilities

During our product development process, we tested CarbonBuilder Wheat against commonly used seed treatments through controlled environment tests in our laboratories.

### Compatible

Pontiac <sup>®</sup>	Raxil <sup>®</sup>	Systiva <sup>®</sup>	Vibrance <sup>®</sup>	Cosmos <sup>®</sup>
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### Incompatible

EverGol Energy	VitaFlo <sup>®</sup> C	Vitavax <sup>®</sup>	Rancona Dimension	Rancona <sup>®</sup> C
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Scan the QR to learn more about CarbonBuilder Wheat

