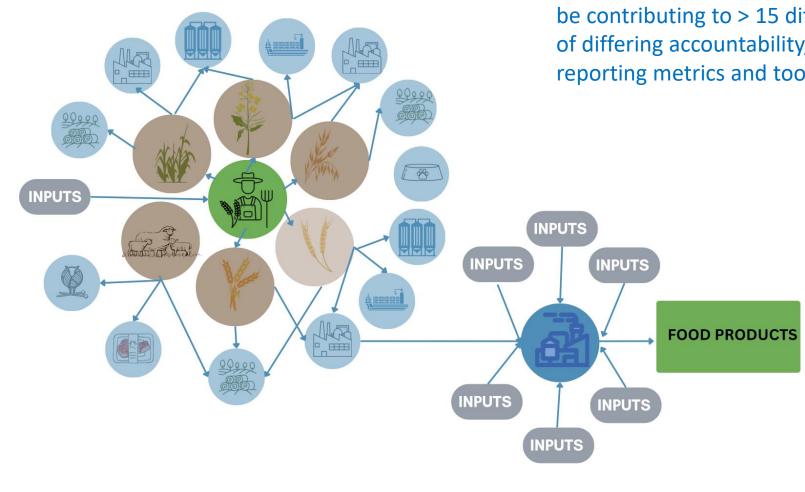


A farmer-focused approach to Scope 3 emissions & sustainable practice reporting through the supply chain



## THE PROBLEM: COMPLEX SUPPLY CHAINS

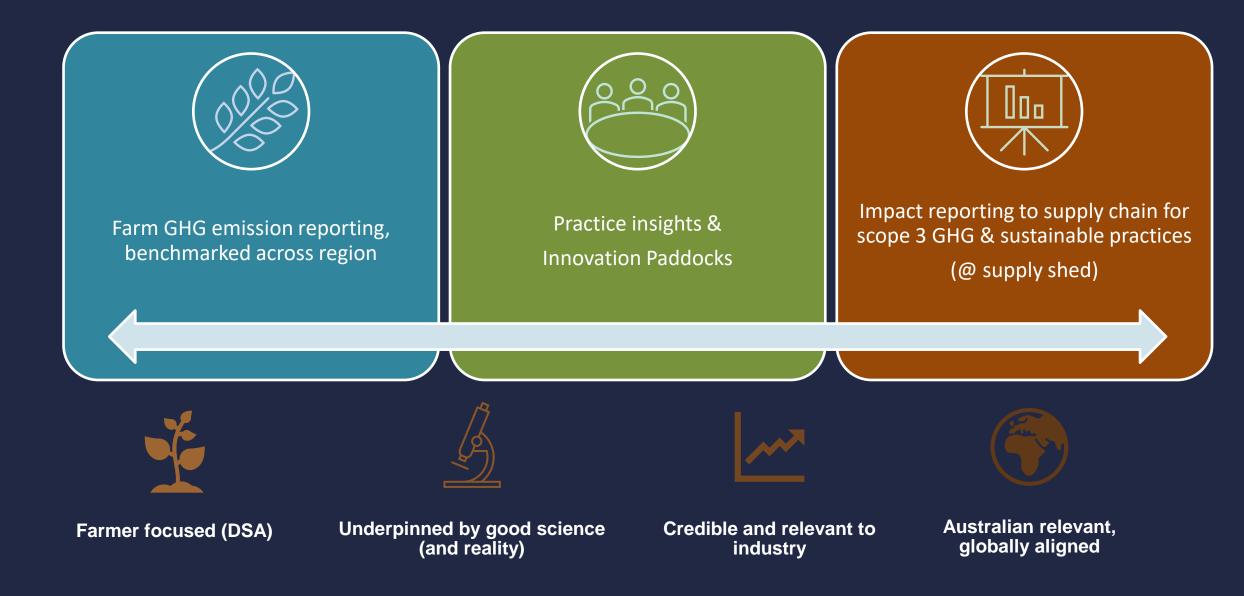


If each company set up its own Scope 3 GHG reporting program, each farmer could be contributing to > 15 different schemes of differing accountability, with different reporting metrics and tools.

> Each company could be sourcing raw product from 100s of suppliers, each potentially with a different GHG footprint accounting system, which they can't align and clearly report against.

Legislative reporting requirements: scope 1,2 &3

## The Cool Soil Initiative delivers...



#### CSI has demonstrated impact on farm...

200 farmers >350,000 ha

CSI is the largest project of its kind, using real farm data to measure performance, practice & impact. 95% farmers say they now understand more about soil health & how to maintain/improve it.

With 82% saying that they understand more about the type and amount of emissions on farm.

projects to address industry gaps

Initiated 2

new research

CSU / Food Agility CRC– Sustainability reporting GRDC – Dough quality project World 1<sup>st</sup> Australian Cool Farm Tool for grains

CSI research resulted in a version of global Cool Farm Tool being developed for Australian cropping

50%

farmers say

they have /

may change

practice as

result of CSI

With 68% saying CSI

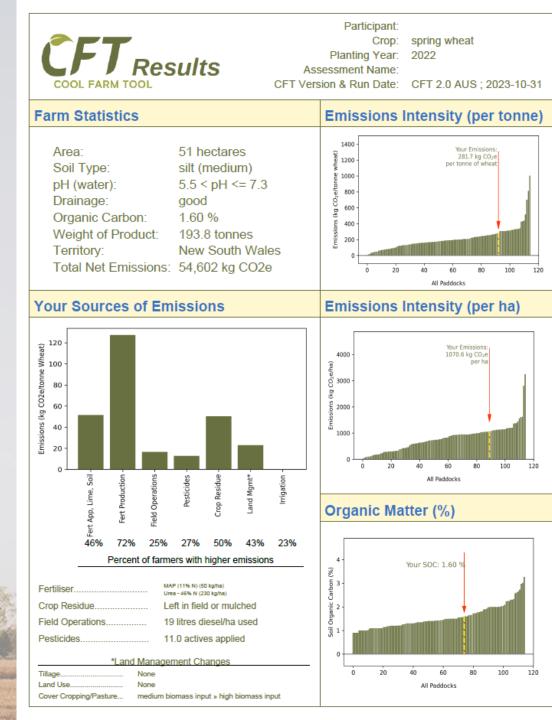
emission baseline &

reporting is useful for

making decisions on farm

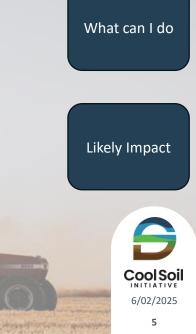
Scalable framework for food & fibre

CSI has established a track record with major food companies, to be scaled into new regions & new commodities from 2024. Strong industry engagement with RDC's, state govts and companies



## Every farmer receives a benchmarked report showing:

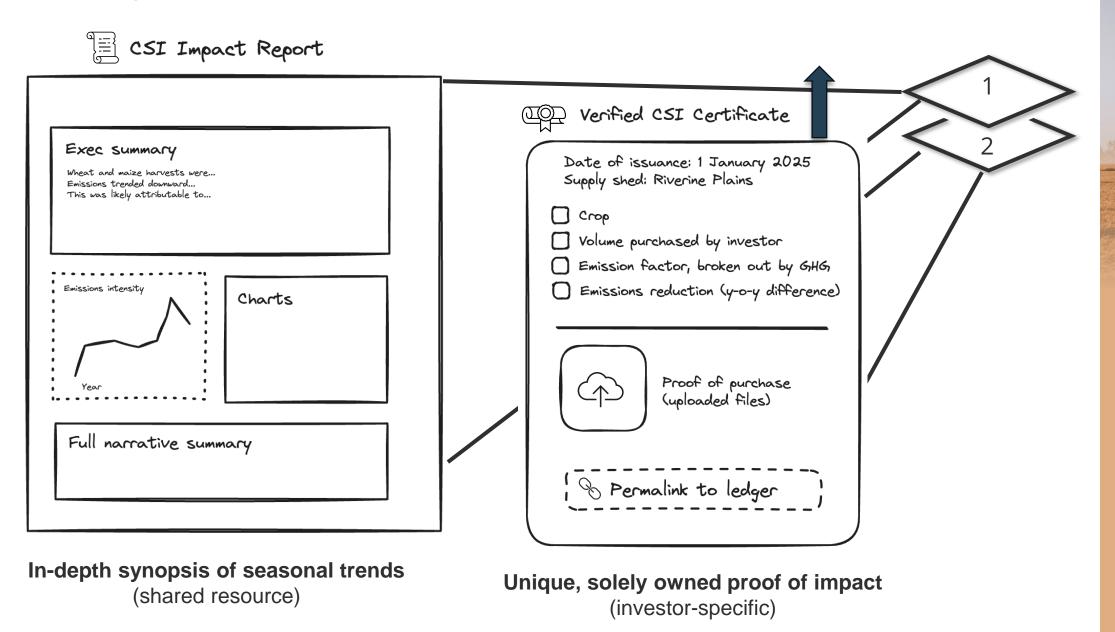
- Sources of emissions
  - % farmers with higher emissions
- Emissions intensity (per tonne)
  - For commodity reporting
- Emissions intensity (per ha)
  - For farm input assessment
- Organic matter SOC% values
- Summary of practices / land management



Know your #

Why

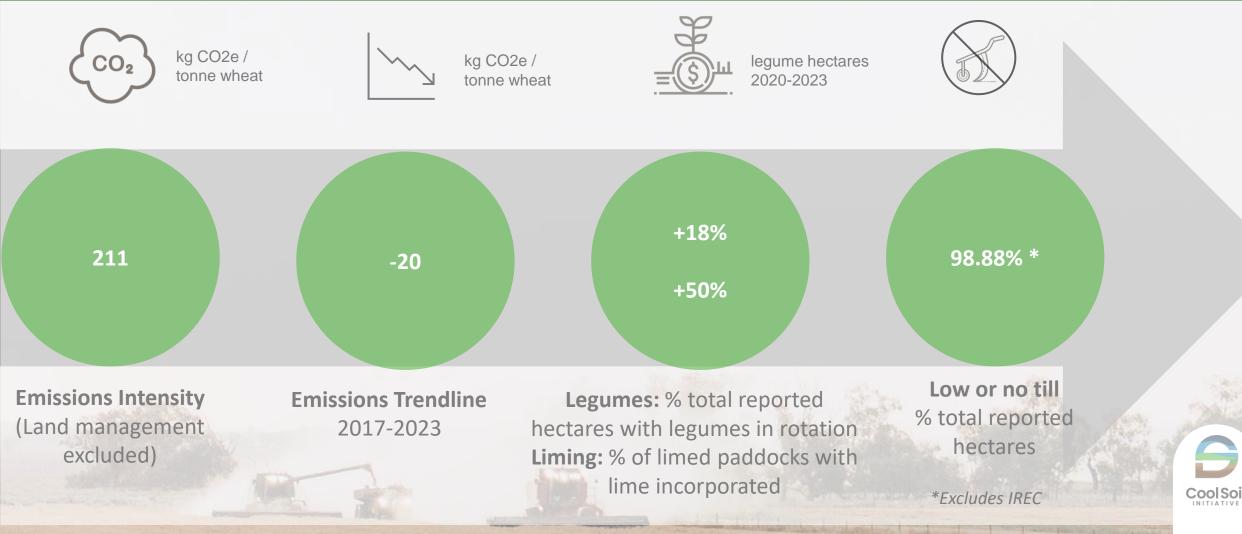
# The Cool Soil Initiative provides companies with multi-layered ESG reporting and impact assurance



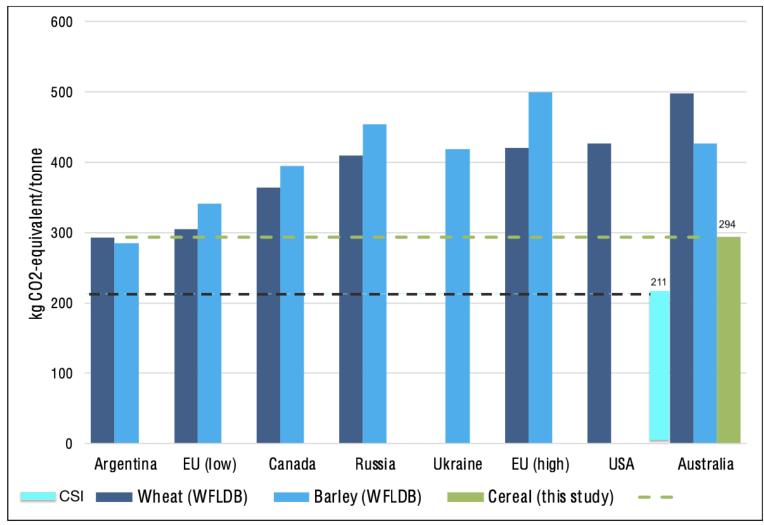
Cool Soil

## Cool Soil Initiative in 2024: Impact

#### WHEAT DATA FOR CROP SOWN IN 2023 (unless otherwise noted)



### CSI and Australian grain is low-emission vs. global averages



...With <u>land</u> <u>management included</u>, CSI wheat in 2023 showed an emissions intensity (EI) of 0.207 kg CO2e / kg, or **207** kg CO2e / tonne...

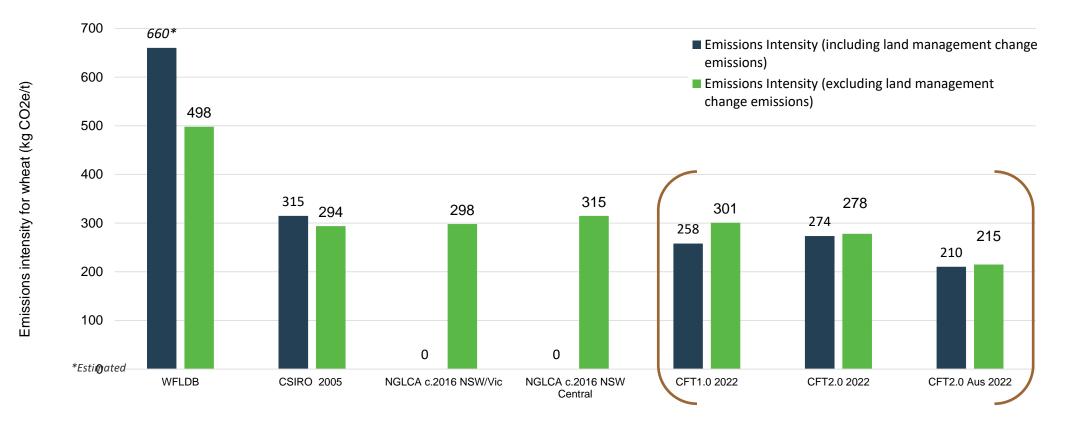
...With <u>land excluded</u>, wheat EI was 0.211 kg CO2e / kg, or **211 kg CO2e / tonne...** 



Source: CSIRO: Sevenster, M. et al (2022). Australian Grains Baseline and Mitigation Assessment. Main Report.

...Well below the CSIRO AU baseline of 315 (land incl.) and 294 (land excl.)

## CSI emissions are improvements over industry benchmarks



Source: WFLDB and CSIRO: Sevenster, M. et al (2022). Australian Grains Baseline and Mitigation Assessment. Main Report. CSIRO. Simmons et al (2019) for NGLCA values

Even prior to introducing Cool Farm Tool 2.0 Australia, emissions intensity in 2022 and 2023 in the Cool Soil Initiative was lower than both global (World Food LCA Database - WFLDB) and national (CSIRO, NGLCA) defaults. An additional ~20% improvement in the precision of emissions factors was gained in the transition to CFT 2.0 Australia.



Australian releval globally aligned





CSI is expanding into new regions, commodities and natural capital reporting, and welcomes new farmers (it's free for farmers) and supply chain companies to join the Initiative.

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