

CI CERTIFICATION

by Continuum Ag

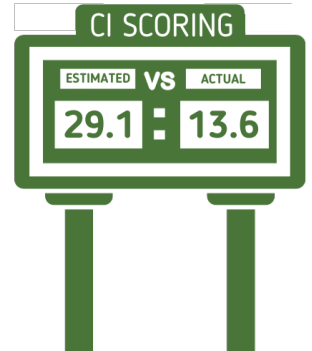


WHO? Continuum Ag is a soil health data intelligence company using their proprietary TopSoil Tool to enable farmers to profit from improving their soil health.

INDEPENDENT | COLLABORATIVE | SECURE

WHAT? Our CI Certificate product from TopSoil is *made for farmers, from farmers*. This certification *helps farmers who want to earn a premium for a low carbon intensity (CI) grain* but do not know how to participate or get paid.

Continuum provides the easy button to aggregate this data to earn a premium on their corn and soybean crop. Farmers still own their data; we simply provide the method for farmers to get paid for it.



CHANGING THE GAME:

- > **TRUSTED PLATFORM**
Built by Farmers, for Farmers
- > **DISRUPTIVE COLLABORATOR**
Recognized by Industry Experts
- > **DIGITAL WALLET**
Your Farm, Your Data... Keep it Safe
- > **CI CALCULATOR**
Estimation Tool Projects Production Value
- > **EVERYTHING CI SOLUTION**
One Stop, TopSoil Does it All!

WAYS TO WIN BIG: Two Ways to Win BIG & Score Your Sustainable Production:

1

CI Score: \$500/crop

2

CI Certificate: \$5/Acre

IMPACT:

Check out this example farmer and how CI Certification will impact their ROI:

Baseline: 1,500 acres of corn, 200 APH & default farming practices

CI Baseline = 20.7

45z Value = \$135,000 (\$0.45/bu)

Changing Practices & CI Certification can lead to BIG dollars:

50 lb. NPK reduction:

New CI = 19.1*

45z Value = \$162,000 (\$0.54/bu)**

Change to No-Till:

New CI = 20.3*

45z Value = \$141,000 (\$0.47/bu)**

Adding Cover Crops:

New CI = 4.5*

45z Value = \$396,000 (\$1.32/bu)**

Adding Cover Crops + Changing to No-Till:

New CI = -0.2*

45z Value = \$474,000 (\$0.58/bu)**

* CI score based on model defaults for Washington County, IA
Individual results are based on actual location

** Value to biofuel industry starting January 2025



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CARBON INTENSITY 101

by Continuum Ag



Introduction to CI Scoring and How Farmers Benefit

CI - CARBON INTENSITY 101 ⇒ Carbon Intensity (CI) is the production footprint assigned to a bushel of grain. The score itself is generated using the federally approved GREET model. Today, the estimated standard CI score for CORN is 29.1g GHG/MJ of ethanol energy.

The lower the CI score, the more attractive that production is for end users. For example; the CI score of 0.0 means that the bushel is net carbon neutral. Premium payments for lower carbon grains encourages growers to implement practices that lower carbon emissions and ultimately result in lower CI scores.

CHANGING THE GAME = LOW SCORE WINS ⇒ The Inflation Reduction Act, Section 45z now assigns a direct value to a Carbon Intensity Score. This transparency allows growers to securely monetize their farm data by attaching its value to a farms production.

Section 45Z allows sizable tax credits to ethanol plants who consume low CI grains. The tax credit value to an ethanol plant is estimated to be **\$.054** cents per CI point below the industry estimated standard CI Score of 29.1.

Approval details are still being finalized by the IRS, however; it is anticipated that the majority of these premiums will be shared with producers. Sustainable sourced, "low CI grain" puts farmers in control and keeps an equitable balance of reward for carrying the risk.

GROWERS ARE EXCITED TO PARTICIPATE ⇒ Sustainability focused producers are providing substantial new value to ethanol plants by providing them with verifiable low CI grain. For bushels that are carbon neutral, or CI Score 0.0, it is worth a \$1.57/bu in form of a tax credit to the ethanol buyer.

$$45Z \text{ Tax credit} = (29.1 - 0.0) \times \$0.054 = \$1.57/\text{bu}$$

Ethanol facilities stand to profit for each sustainable farming practice that a grower incorporates, measures and verifies within their production. Growers carry a bulk of that risk, but could be rewarded with an estimated 50% of that credit in form of a premium payment.

The CI Calculator tool allows customers to adjust farming practices LIVE helping farmers visualize their scores instantly. Compounding these practices lower your CI score, increasing value provided to the ethanol industry, allowing access to premium payments for that grain.

GROWER IMPACT + ROI EXAMPLE

- Farm baseline: 1500 CORN acres
- 200 APH w/default farming practices

Grower Personalize CI Score = 16.6


- $29.1 - 16.6 = 12.5$ CI points \times $\$.054 = (\$0.67/\text{bu}$ premium payment)

CI Certification Value = \$100,500

- $1500 \times 200 = 300,000$ bu \times $.335$ (~50% of the premium payment)

GET STARTED

Contact us today
to learn more!

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CI CERTIFICATION

45z Tax Credits



CARBON INTENSITY SCORES 101



DISCOVER

Continuum's TopSoil Tool helps growers' securely showcase and monetize farm data. Sustainable sourced production puts farmers in control and keeps an equitable balance of reward for carrying the risk. CI Scoring is changing the game and farmers are excited!



CI CERTIFICATE

Sustainably sourced corn for ethanol production is in high demand! Generating a personalized CI score through "CI Certification" gives growers access to premium payment by attaching farm data to their production. Powered by TopSoil, the CI Certificate is made simple for farmers.



GET PAID

My personal CI Score = 16.2
National average is 29.1

Calculation estimates (Section 45Z) each point below the 29.1 is worth \$.054 to the Ethanol facility:
 $29.1 - 16.2 = 12.9 \text{ points} \times \$.054 = \$.69 \text{ cents per bushel!}$

▶▶▶ CARBON INTENSITY TERMINOLOGY

CI SCORES: Empower your bushels with a simple score by attaching the farm data to your production.

CI CALCULATOR: Estimating the value of new farming practices help producers value the risk vs. reward.

CI SOFTWARE: The TopSoil platform lets you secure, sync farm profile data.



Farmers need to understand the significance of this. I want you all to understand this is a **critical moment—a make or break moment—and if it's not seized and not taken full advantage of, you may have a different conversation years from now**, don't miss this opportunity.

- Tom Vilsack, US Secretary of Ag.



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BUILT BY FARMERS, FOR FARMERS

Together, we make one heck of a team! Taking control of your farm's production data allows you to score like never before! Our agronomy team would love to help you discover your own personal CI Score.