



45Z

The 45Z credit will only work for farmers if USDA finalizes a clear, science-based rule and Treasury quickly adopts it, giving farmers certainty as they make crop and input decisions. The rule must include field-level CI scoring, a farmer book-and-claim pathway, recognition of regenerative practices, and continued use of Argonne's GREET.

45Z: What Farmers Need Now
What Must Be Included in USDA's Final Rule


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- Field-level carbonintensity (CI) score
 - A field-level CI score is essential for farmers to implement conservation practices—not farm averages
- A Farmer-Level Book & Claim Pathway
 - Farmers who implement CI-lowering practices would generate an asset independent of the physical grain, which could be sold into the marketplace
 - This allows more farmers to participate and more transparency of the value of that asset
- Expanding Recognition of CI-Lowering Practices
 - Reduced and no-till systems Precision nutrient management Cover crops
 - Enhanced efficiency fertilizers
 - On-farm energy efficiency improvements
- Continued support of the AgronneGREET model's FD-CIC as a base/framework for USDA's calculator

45Z: What Farmers Need Now

- A Final USDA Rule
 - Farmers need clear, science-based guidance from the U.S. Department of Agriculture (USDA) to define how on-farm practices impact carbon intensity (CI) scoring
- Treasury Alignment
 - Following USDA's rule, the U.S. Department of Treasury (TREAS) must formally adopt those standards so fuel producers and farmers can operate under a unified, enforceable framework
- Urgency in timeliness for farmers to be able to make changes and participate in this program
 - Time matters as farmers are making crop, input, and operating decisions now
 - Delays reduce participation, slow adoption of conservation practices, and weaken the economic potential of 45Z for rural America

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