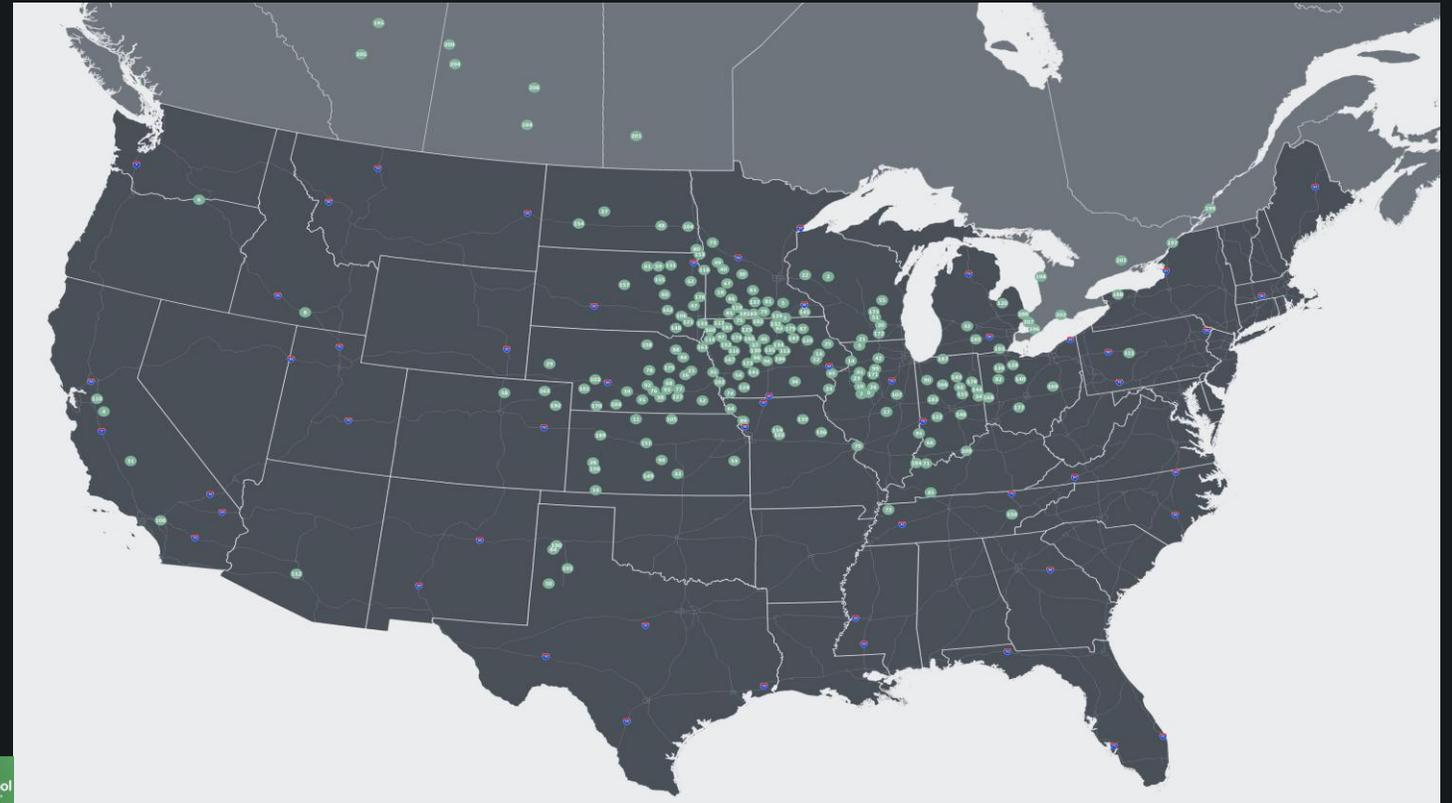
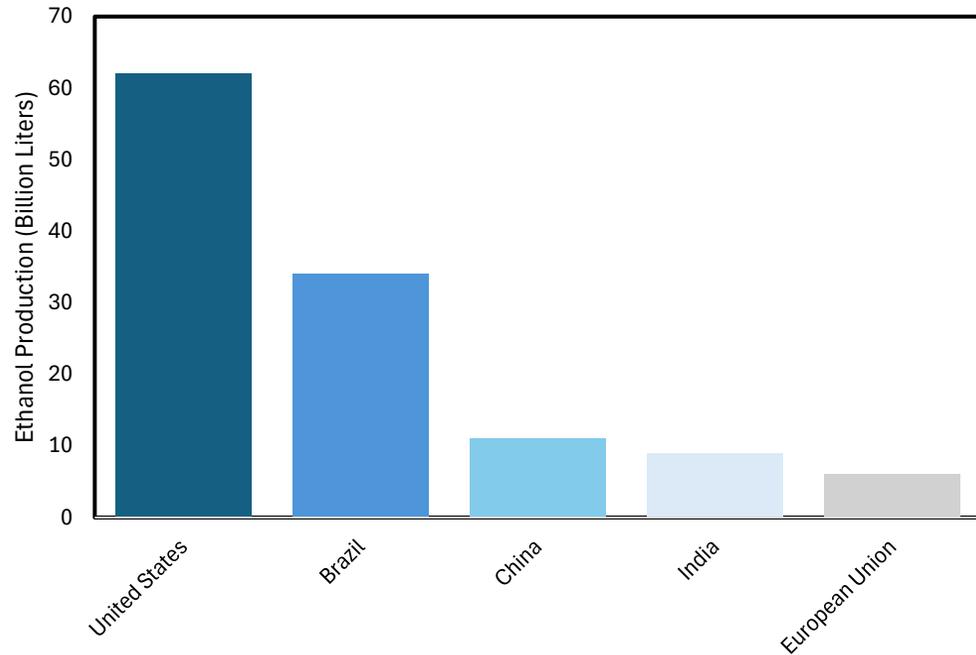


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123 Billion Liters Available Today

Ethanol Production By Region



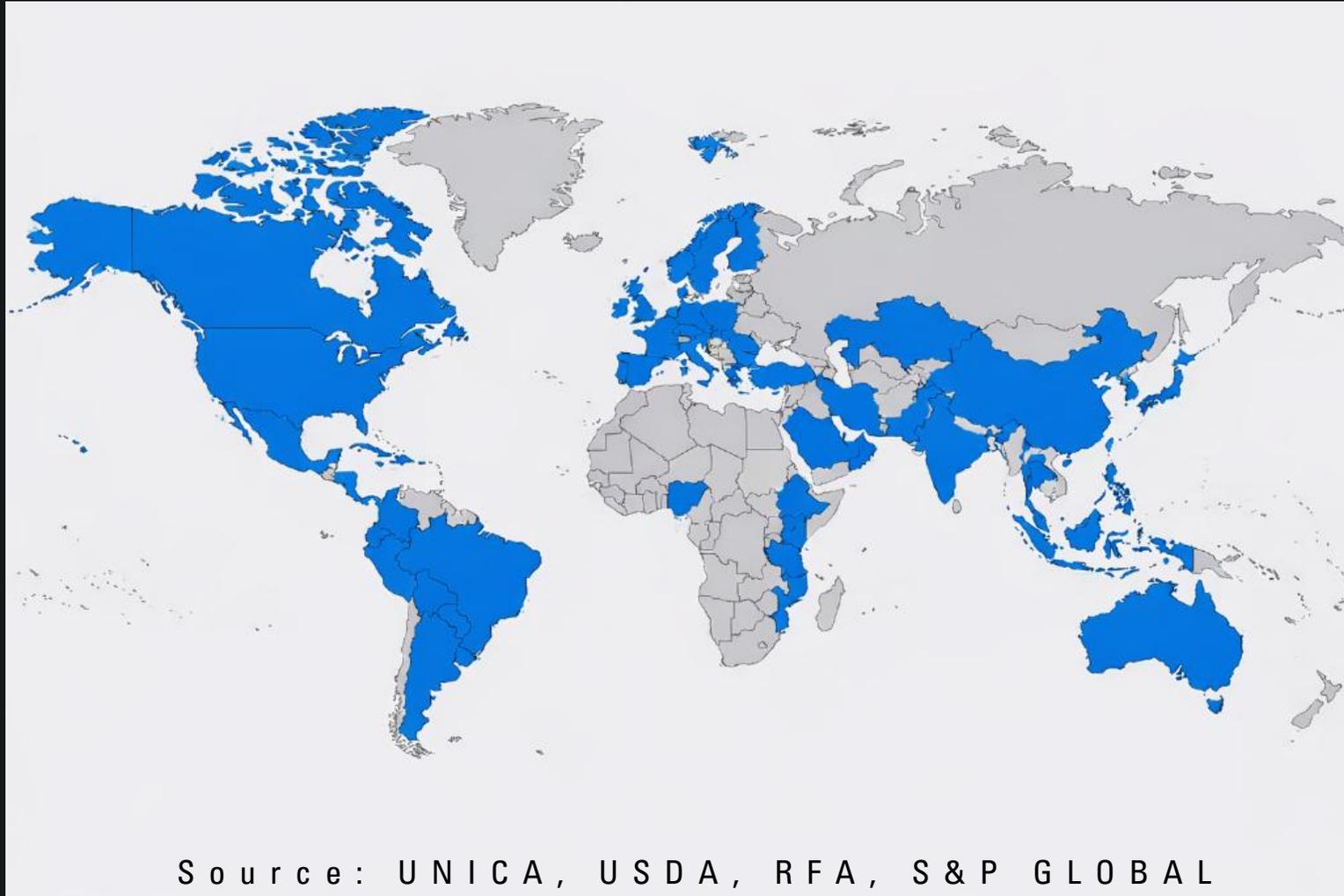
17 DECEMBER 2025
Green Pool
Annual Ethanol Balances
2025 and 2026

20 Billion Liters Growth Available

ETHANOL IS READY TODAY.



MARQUIS



Source: UNICA, USDA, RFA, S&P GLOBAL

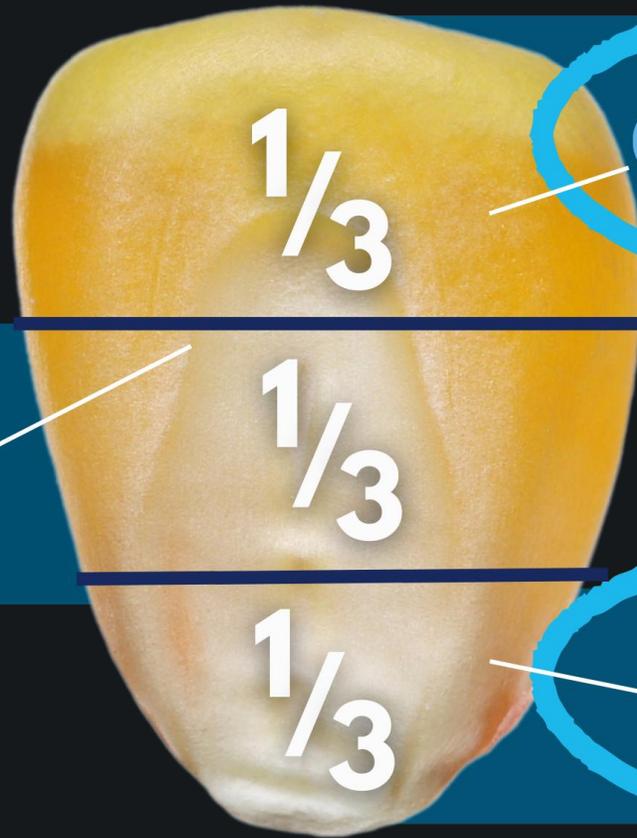


**ROOTED IN OUR COMMUNITY, WE INNOVATE TO CREATE A
SUSTAINABLE WORLD FOR FUTURE GENERATIONS.**



CORN:

WHAT DO WE GET OUT OF OUR CORN INPUTS?



 **CARBON DIOXIDE**
(biogenic CO2)

(starch)

CC(O)O

ETHANOL

 (protein & fat)
ANIMAL FEED

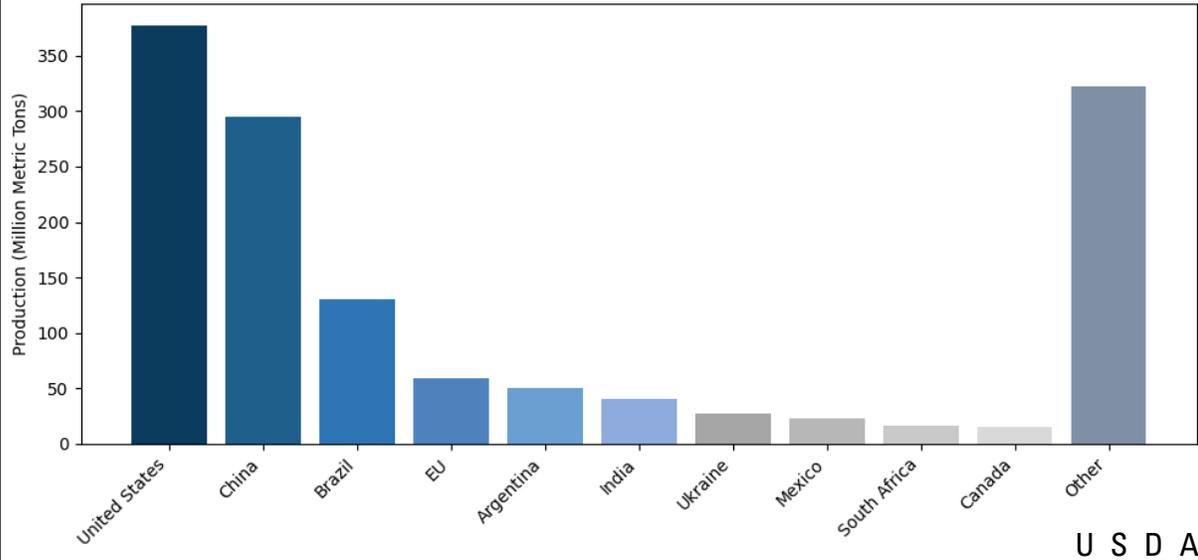
FEED AND FUEL SOLUTION.

1 BUSHEL (BU)
CORN = 56 LBS

Sustainable Fuel and Feed

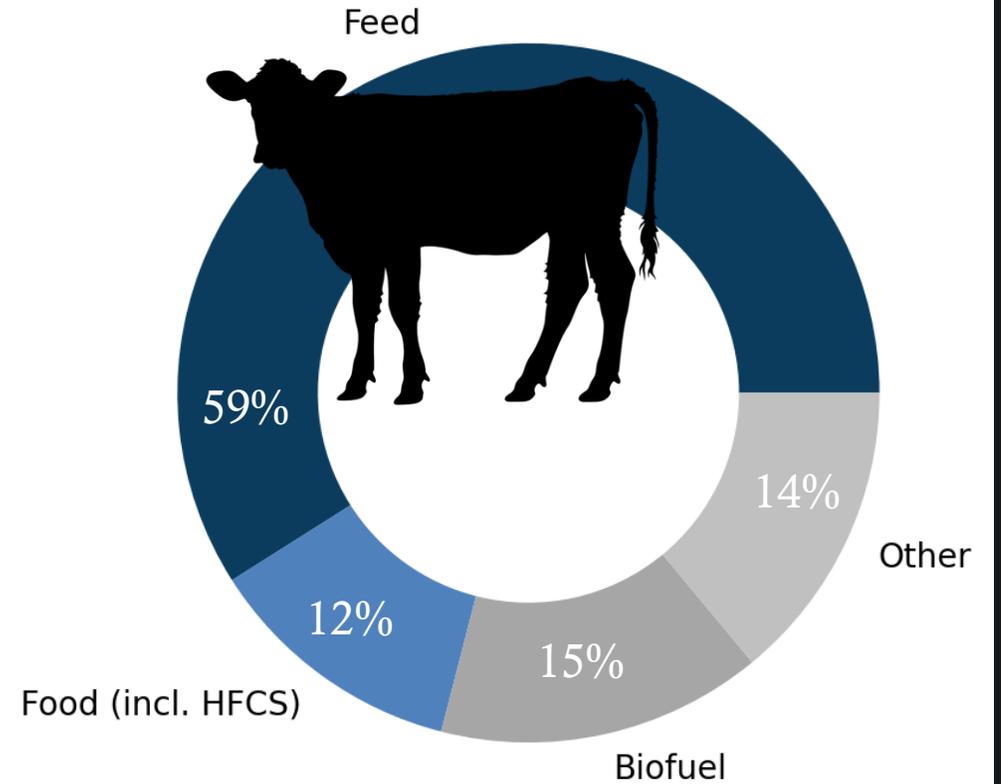
1356 MMT

Corn Production by Country (MMT)



U S D A

Global Use of Corn (OECD/FAO)





ISCC-Plus

- Protection of Land
- Environmentally Responsible Production
- Safe Working Conditions
- Compliance with Human and Labor Rights
- Compliance with Land Rights, Law, and Treaties
- Good Management Practices and Continuous Improvement
- Farm –Level Traceability
- Deforestation Free Claim

ISCC- EU

- Farm Level CI
- Compliance with REDIII

Global Production Scenarios

Scenario 1:

Utilize 25% of Abandoned Ag Land for Corn, with expected global average yield of 57 bu/ac

Scenario 2:

Utilize 25% of Abandoned Ag Land for Corn, with expected US yield of 178.4 bu/ac

Scenario 3:

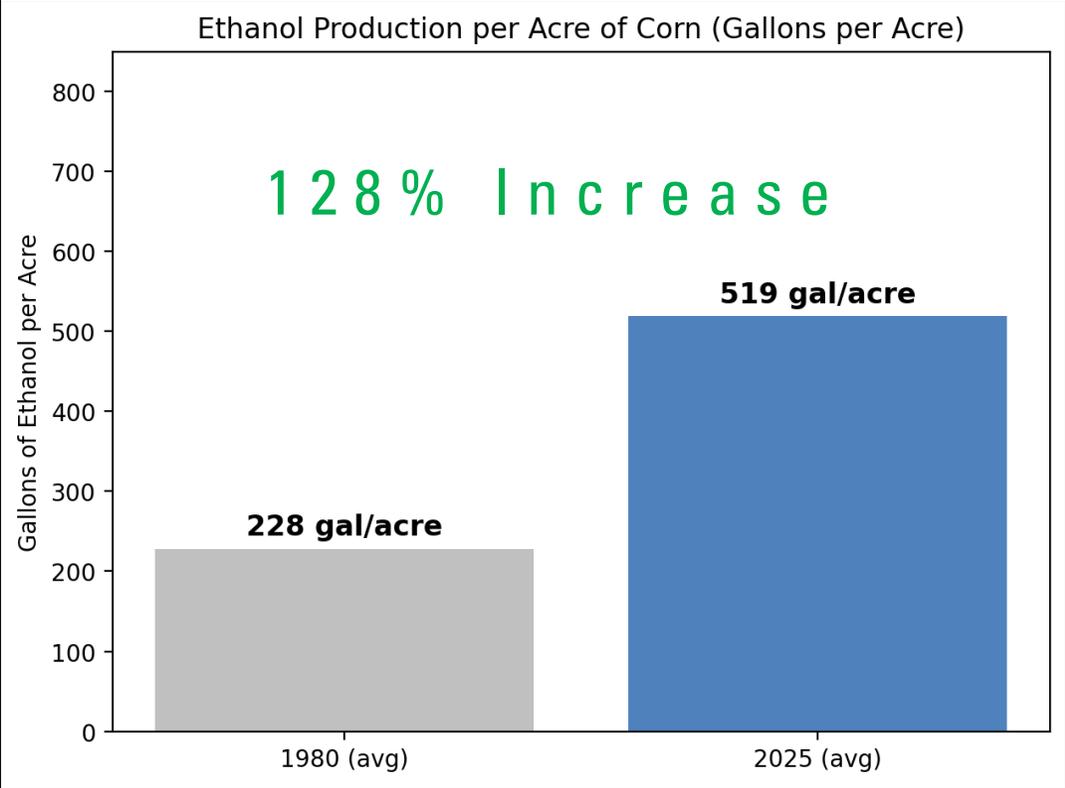
Utilize 25% of Abandoned Ag Land for Corn AND raise global average yield to US yield level of 178.4 bu/ac

Additional Production	Scenario 1	Scenario 2	Scenario 3
Bushels of Corn - Billion	17.8	55.8	98.3
Ethanol - Billion gal	51.3	160.6	283.2
Ethanol Emission Reduction - Million MT GHG	194.2	607.7	1,071.8
Corn Oil Produced - Billion lbs	16.7	52.4	92.4
Renewable Diesel - Billion gal	2.0	6.2	10.9
Renewable Diesel Emission Reduction - Million MT GHG	18.9	59.1	104.3
Total Emission Reduction - Million MT GHG	<u>213.1</u>	<u>666.8</u>	<u>1,176.0</u>
Same as cars removed - Million	46	145	255
DDG Produced - Million MT	109	341	602
Beef Produced - Million lbs, Grocery basis	9,619	30,105	53,094
Milk Produced - Million gal, Grocery basis	13,981	43,757	77,171
Poultry Produced - Million lbs, Grocery basis	6,441	20,160	35,554
Pork Produced - Million lbs, Grocery basis	9,894	30,965	54,611
Annual Population Fed - Million People	<u>331</u>	<u>1,035</u>	<u>1,825</u>

Nitrogen Application



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USDA Feedstock Carbon Intensity Calculator

What does this mean in terms of CI?

	kg/mmBTU	Adoption (%)
No till -	8.00	20
Reduced till -	1.85	65
Cover crops -	8.67	6
Nitrification inhibitors -	1.91	70
Fertilizer timing: Split application -	2.62	15
Fertilizer timing: Spring application -	0.97	10



Carbon Intensity Report



2025 Corn Crop Data

Farm Operation #1 Walnut, IL

Operation Avg CI Score
15.81
kg/mmBTU

TOTAL ACRES:
1,418

Farm Number	Acres	Yield	Bushels	CI Score	% Below National*
1	56	237	13272	10.78	62.60%
2	150	239	35850	10.78	62.20%
3	77	260	20020	20.83	27.75%
4	173	246	42558	20.83	27.75%

Farm Operation #2 Mendota, IL

Operation Avg CI Score
25.44
kg/mmBTU

TOTAL ACRES:
1,455

Farm Number	Acres	Yield	Bushels	CI Score	% Below National*
1	84	260	21840	20.83	27.75%
2	344	277	95288	26.98	6.41%
3	77	233	17941	26.98	6.41%
4	76	253	19228	26.98	6.41%

Farm Operation #3 Winnebago, IL

Operation Avg CI Score
15.91
kg/mmBTU

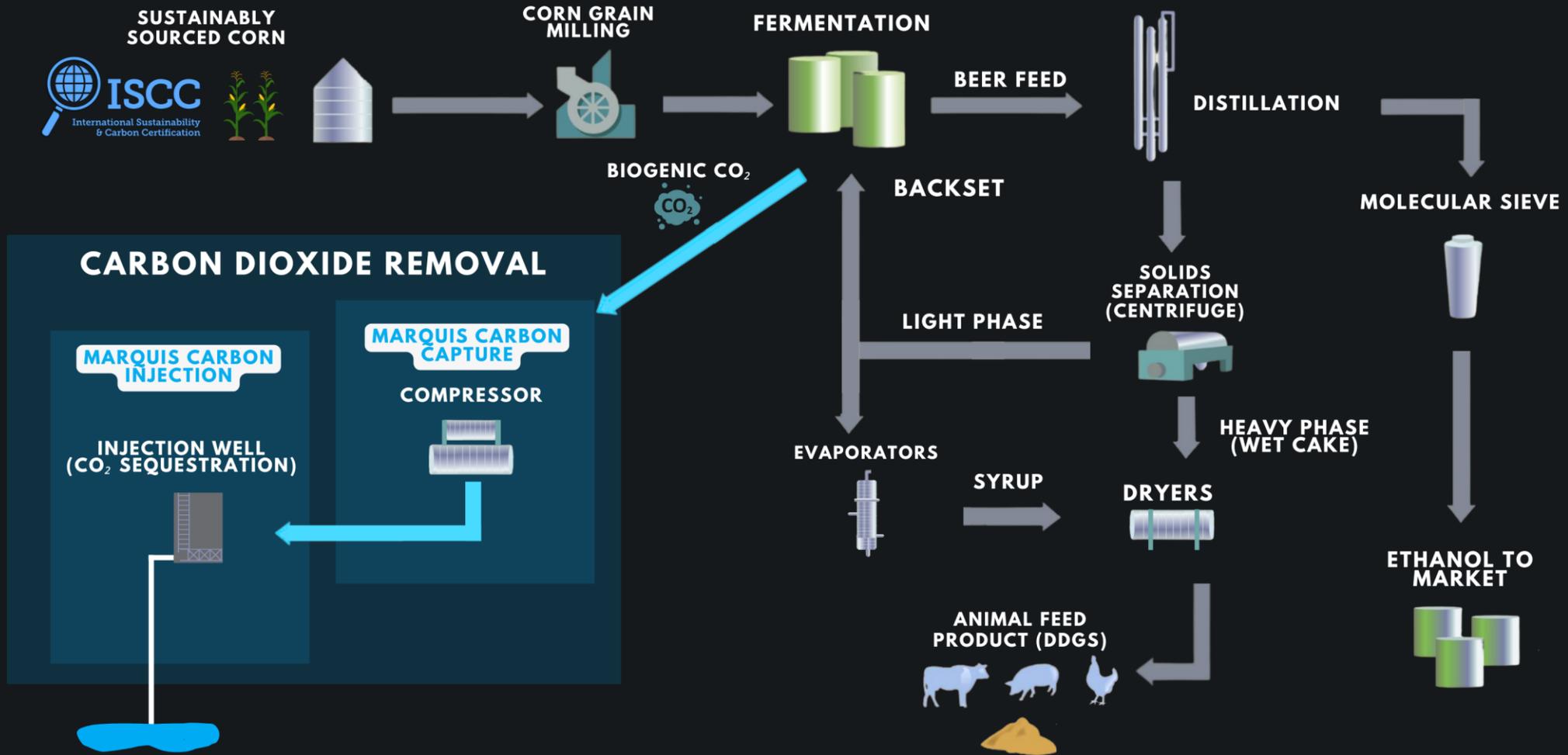
TOTAL ACRES:
1,082

Farm Number	Acres	Yield	Bushels	CI Score	% Below National*
1	125	265	33198	15.86	27.75%
2	73.5	263	19378	15.86	27.75%
3	155	226	35233	14.27	27.75%
4	99	99	25620	17.66	27.75%

*This percentage represents the reduction of a field's CI score compared to the national or baseline score. The baseline score assumes no Climate Smart Agriculture (CSA) practices.



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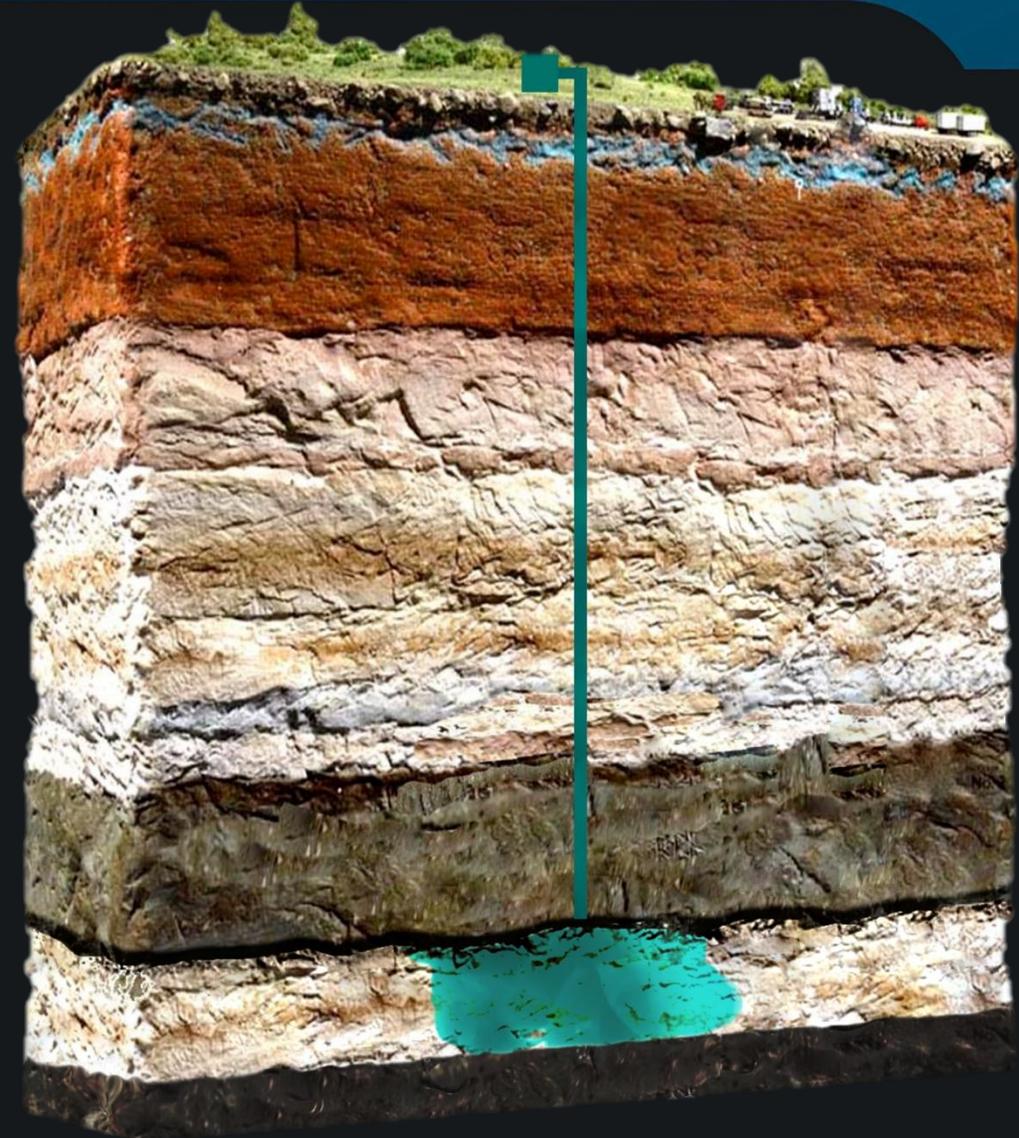


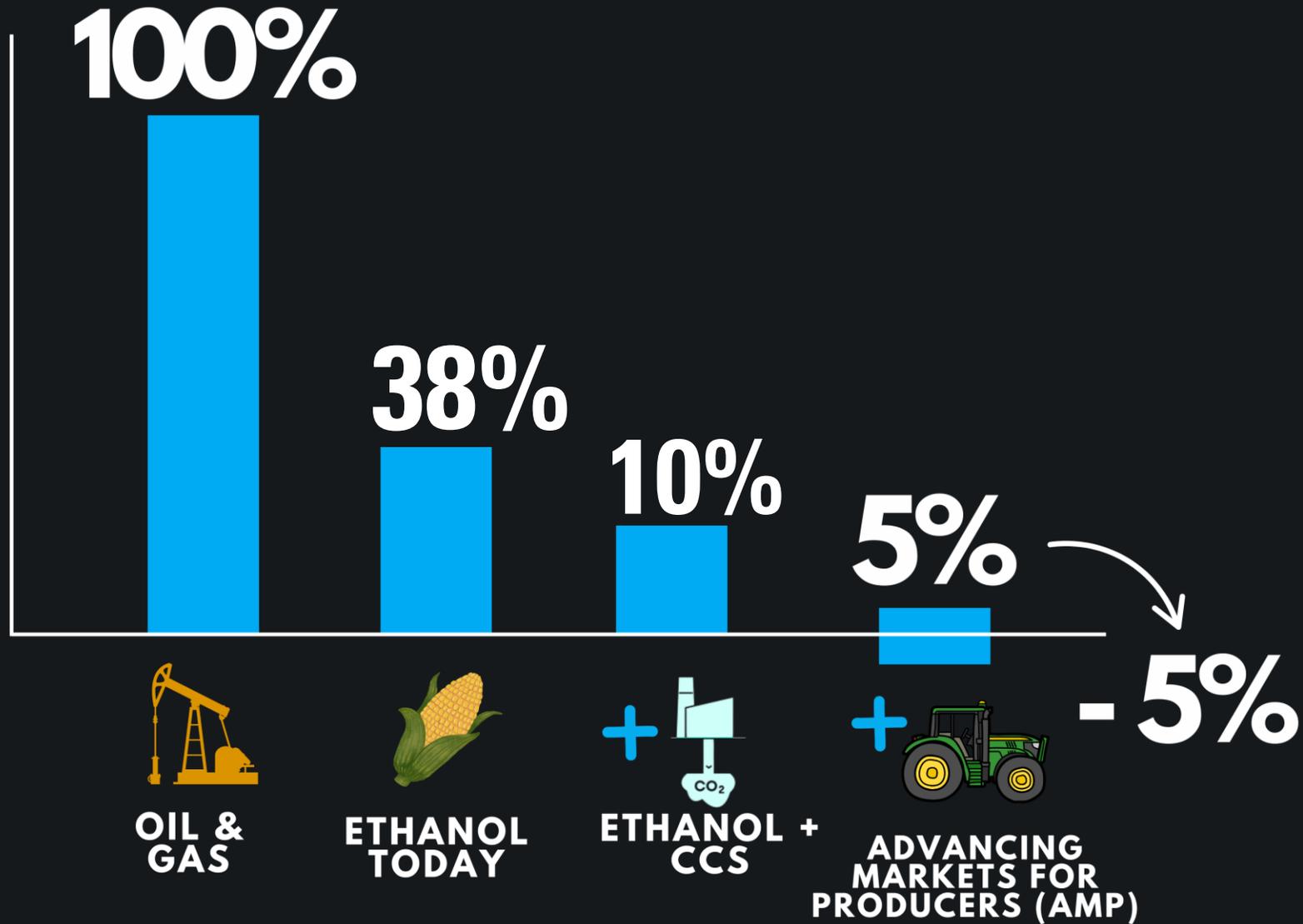


Bio-Energy Carbon Capture and Storage



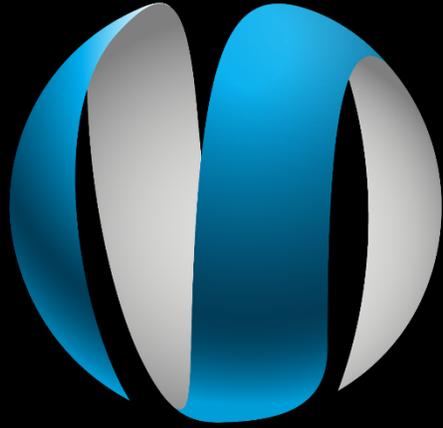
<https://co2public.er.usgs.gov/viewer/>





A world map is shown in a dark blue to black gradient. The text "GLOBAL REACH" is centered horizontally across the map in white, bold, uppercase letters. A horizontal lens flare effect is visible behind the text, extending across the width of the image.

G L O B A L R E A C H



MARQUIS

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VP of Innovation



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