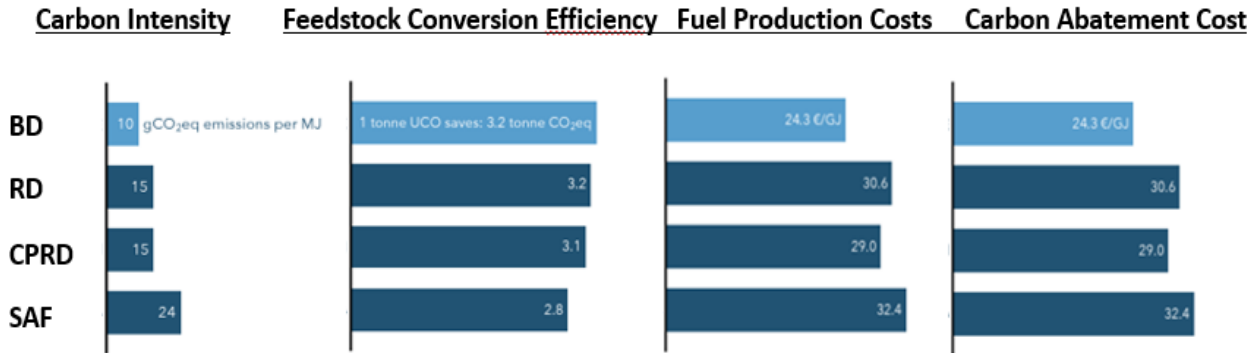


Biodiesel is the Lowest Cost, Lowest Carbon BBD

2021 Netherlands Study – VOC Studio Gearup – Differences in BBD technologies



“We find that of all four pathways, biodiesel has the lowest production costs, the highest feedstock efficiency, the highest emission reduction performance and, consequently, the lowest carbon abatement costs.”

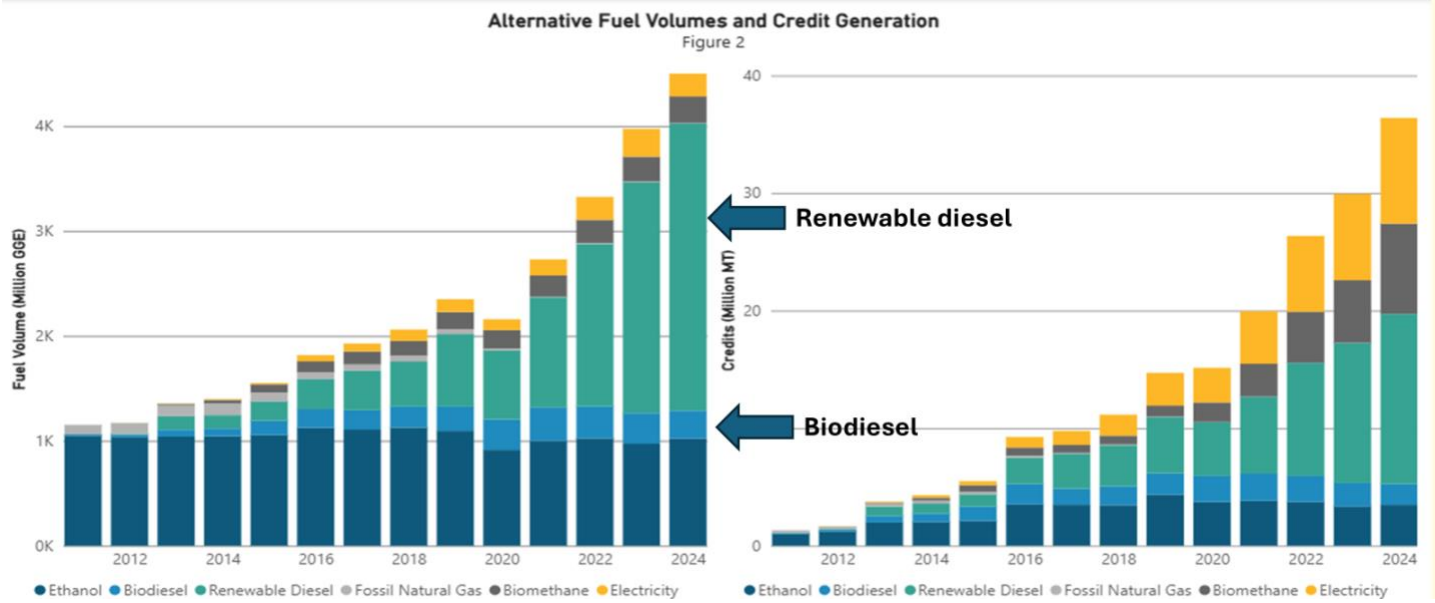
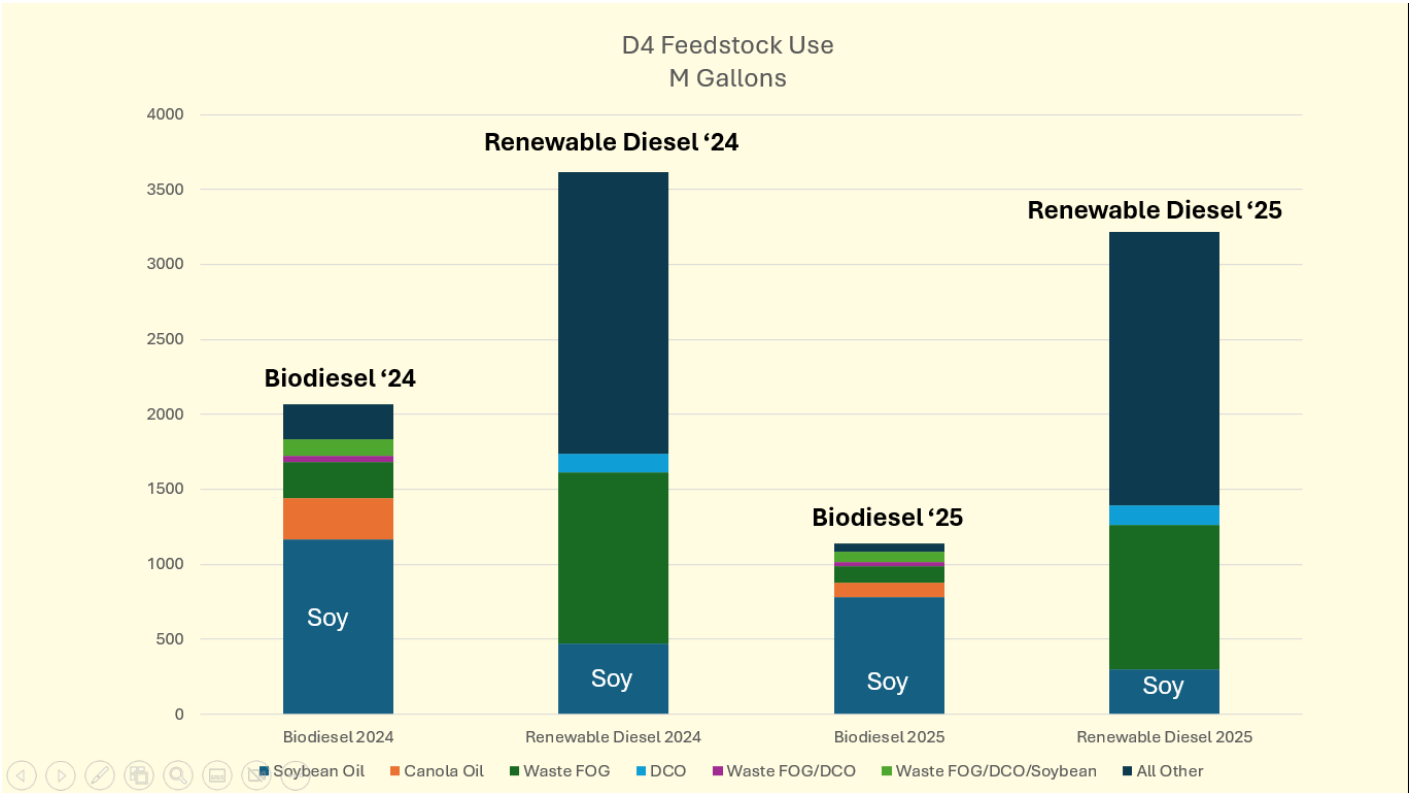
- Study was peer reviewed by some of America’s most prominent LCA scientists

Premium Diesel Characteristics of Biodiesel Blends (B5-B20) vs ULSD and RD:

Oxygenated fuel (emissions, performance, maintenance)

- Higher lubricity (performance and maintenance)
- Higher conductivity and flashpoint (safety)
- Lower aromatics (emissions)
- Solvency acts similar to a detergent additive (maintenance)
- When a gallon of RD or SAF replaces a gallon of biodiesel or BioHeat™ in the biomass-based diesel (D4) category, carbon emissions increase by up to 15% at an increased cost to taxpayers and consumers.
- **BD Advocates broadened their constituency & dropped the benefits of BD; BDM December 2025 – edited the one sentence that BD is the lowest cost lowest carbon fuel.**





**The Anti-Ag policies of the CA-LCFS has Hijacked the RFS – Half of National RVOs.
CA-Style LCFS States in RED. LCFS State Initiatives in Yellow. Maritime Bill another LCFS**

