



*Sustainable Collaborations
for Organic Waste Management*

California Bioresource
Alliance Symposium

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Bruce Scott - Scott Brothers Dairy Farms
Steve McCorkle - Ag Waste Solutions (AWS)



7) AWS Diesel powers farm equipment to harvest healthy food crops



1) AWS Biochar grows healthy food crops



2) AWS Process inputs can be any organic biomass



3) AWS Separation technology is industry leading



4) Thermal Conversion process is the only technology approved in the strictest air districts

5) AWS Process outputs can include renewable diesel and clean electricity



6) AWS creates the cleanest burning diesel in the world



The Next Generation of Organic Recycling Solutions



Sustainable Collaboration Project Goals

- Develop community based strategic plans for organic waste management
 - SB 1383 compliance through smaller sites - close to feedstock & offtake markets
 - Community partnerships with haulers, composters, farmers, technology providers
 - Sustainable agricultural solutions to integrate green, wood, food, manure wastes
- Reduce volume, transportation while creating value-added end products
 - On-farm compost centers to convert organic wastes to compost for on-farm use
 - Biochar production from organics - added to compost to create Healthy Soils
 - Biofuels production from organics - produce carbon negative transportation fuels

Solid Waste Management Hierarchy

Favored

REUSE

RECYCLING/
COMPOSTING

ENERGY RECOVERY

Recycling / Energy Recovery

Landfill

Not Favored



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AWS BIOCHAR + COMPOST - COMBINED BENEFITS

AWS Biochar

- Hard Carbon (stable)
- High nutrient content (early, positive yields)
- Microbiology home
- High water retention
- CO2 sequestration
- Salts/toxins lockup
- Short production time
- Applied at any plant development stage
- Application flexibility
- Volume reduction

Compost

+ AWS Biochar

- + Microbiology home
- + Water retention
- + Stable humic compounds
- + Nutrient management
- + Plant availability
- + pH bal., CN ratio adjust
- + Reduced GHGe & VOC's
- + Reduced N loss
- + Salts/toxins lockup
- + Reduced curing times
- + No bulking agents
- + Volume pricing

Compost

- Soft Carbon (VOC's, decomposition)
- Lower nutrient content with green waste
- Microbiology home
- Moisture retention
- Long curing (4-6 weeks)
- High bulk application (tillage, turn-down only)
- Good volume pricing



Questions?

