



Community BioRefineries
The Epitome of American Innovation



Summary Report: Empowering Co-Op Farmer Investors through CBR Capabilities

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The Community BioRefinery (CBR) feels it is essential to highlight the significant advantages and potential savings that Co-Op Farmer investors can realize through their participation in this groundbreaking initiative. This report outlines key CBR capabilities and the direct benefits they offer to Co-Op Farmer partners.

1. Exclusive Access and Faster Sales:

Co-Op Farmer investors engaged in the local CBR have a unique advantage – a direct line to sell crops. This exclusive access ensures that Co-Op Farmers can bring their harvest to the CBR before external farmers, securing timely sales and maximizing returns. This priority access is a valuable component of the collaborative and mutually beneficial relationship between CBR and its Co-Op Farmer partners.

2. Percentage of Products Sold:

Co-Op Farmer investors participating in the CBR not only enjoy priority in selling their crops but also receive a proportionate percentage of the products sold. This revenue-sharing model emphasizes the commitment to equitable distribution of benefits, aligning the success of Co-Op Farmers with the success of the CBR.

Note: In the individual investor scenario, those who participate in the first two funding phases will (upon full commercialization) receive a return of their investment, with interest, and still continue to own their equity in the CBR facility.

3. Organic Fertilizer at Cost:

One of the distinct advantages for Co-Op Farmer partners is the availability of organic fertilizer at cost, without any markups. The same clostridium used in the CBR process can be harnessed to produce this fertilizer, providing an affordable and sustainable solution to enhance soil fertility. By eliminating middlemen markups, Co-Op Farmers can access a crucial component for their agricultural practices at a cost-effective rate.

4. Applications of Nitrogen Fixation:

CBR's capabilities extend beyond direct benefits to farmers and contribute to broader applications through nitrogen fixation:

- **Fertilizer Production:** Ammonia produced enhances soil fertility and crop yields, offering a valuable resource for Co-Op Farmers;
- **Crop Rotation:** Nitrogen-fixing plants in crop rotation improve soil nitrogen levels naturally, promoting sustainable agricultural practices;
- **Industrial Processes:** Ammonia serves as a crucial raw material in various industries, including chemicals and pharmaceuticals, contributing to the overall economic viability of CBR.

5. Environmental Stewardship:

CBR's commitment to environmental applications of nitrogen fixation aligns with farmers' values. The involvement of nitrogen-fixing bacteria in environmental cleanup showcases a dedication to sustainable practices and a positive impact on local ecosystems.

Conclusion:

The Community BioRefinery is not merely a venture project; it's a collaborative platform designed to empower Co-Op Farmer investors. Through exclusive access, revenue-sharing, cost-effective organic fertilizer, and broader applications in nitrogen fixation, Co-Op Farmers can anticipate significant savings and a meaningful contribution to sustainable

agriculture and environmental stewardship. This report emphasizes the unique advantages that make the CBR Co-Op partnership a mutually enriching and prosperous endeavor for all involved.

Post script: The production of organic fertilizer by the CBR is not discussed in any of the current descriptive/support documents for the CBR. We are proposing that, if our farmer partners find this aspect of interest to them, it would not require any alteration to the CBR itself and involve only a few minor pieces of equipment placed, as appropriate, on the overall CBR plant site.