

**SARE / FARMER AND RANCHER
PROJECT PROFILE
(Final Report)**

I. GENERAL INFORMATION

Official Project # FNC10-809

Project Title Growing , Processing, and Selling Omega-9 Canola Oil

Project Coordinators (first & last name)

Dan Blackledge

Proj Contact Name and address of the Project Contact. The person and address to which correspondence is sent for the project. Include:

Name: Dan Blackledge

Organization: B & B Farms

Organization Type:

1862 Land Grant 1890 Land Grant 1994 Land Grant Other University

NGO Federal Govt State Govt Local Govt Other: Farm

Street Address: 6361 Cannonsburg Road NE

City: Belmont

State (2 letter abbrev): MI Zip code: 49306

Phone number, including area code: 269 - 568 - 1020

Fax number, including area code: _____ - _____ - _____

Email address: dblackledge317@msn.com

SARE Funding \$ 5,969 (Total amount of SARE funds this project has been granted)

Project Duration 2 (Number of years that SARE funds were requested for project)

II. EXTENSION INVOLVEMENT

- | Yes | No | |
|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Was Extension involved in the planning of this project? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Will Extension be involved in the applied research, or educational delivery of project results? |

III. PROJECT CATEGORY A

Check only one category which best represents this project.

- | | |
|--|---|
| <input type="checkbox"/> Integrated Crop & Livestock System | <input type="checkbox"/> Energy Conservation & Renewable Energy |
| <input type="checkbox"/> Crop Production | <input type="checkbox"/> Economic/Marketing |
| <input type="checkbox"/> Animal Production (including aquaculture, apiary) | <input type="checkbox"/> Community Development |
| <input type="checkbox"/> Pest Management | <input type="checkbox"/> Quality of Life |
| <input type="checkbox"/> Soil Management | <input checked="" type="checkbox"/> Other <u>Adding Value to a Farm Product</u> |
| <input type="checkbox"/> Natural Resources/Environment | |

IV. PROJECT CATEGORY B

Check only one category which best represents the crop or animal production enterprise being studied.

- | | | |
|---|---|---|
| <input type="checkbox"/> Beef | <input type="checkbox"/> Grain Crops | <input type="checkbox"/> Small Fruits |
| <input type="checkbox"/> Dairy | <input type="checkbox"/> Hay & Forage Crops | <input type="checkbox"/> Nuts |
| <input type="checkbox"/> Swine | <input type="checkbox"/> Silage Crops | <input type="checkbox"/> Ornamentals and turf |
| <input type="checkbox"/> Sheep & Goats | <input type="checkbox"/> Vegetable Crops | <input type="checkbox"/> Trees (forest and Christmas) |
| <input type="checkbox"/> Poultry | <input type="checkbox"/> Tree Fruits | <input type="checkbox"/> Other _____ |
| <input checked="" type="checkbox"/> Oil Crops | <input type="checkbox"/> Sugar Crops | |

V. PRACTICES

Please check **all** relevant practices that are a component of your project. The practices have been arranged by project category for ease of selection. Make your selection based on the practice, not the category heading under which it has been placed.

Integrated Crop & Livestock System

- | | | |
|---|--|--|
| <input type="checkbox"/> agroecosystem analysis | <input type="checkbox"/> organic agriculture | <input type="checkbox"/> whole farm planning |
| <input type="checkbox"/> holistic management | <input type="checkbox"/> permaculture | <input checked="" type="checkbox"/> other <u>Value added agriculture</u> |

Crop Production

- | | | | |
|--|---|---|---|
| <input type="checkbox"/> agroforestry | <input type="checkbox"/> earthworms | <input type="checkbox"/> minimum tillage | <input type="checkbox"/> relay cropping |
| <input type="checkbox"/> biological inoculants | <input type="checkbox"/> fallow | <input type="checkbox"/> multiple cropping | <input type="checkbox"/> ridge tillage |
| <input type="checkbox"/> catch crops | <input type="checkbox"/> fertigation | <input type="checkbox"/> municipal wastes | <input type="checkbox"/> soil analysis |
| <input type="checkbox"/> continuous cropping | <input type="checkbox"/> foliar feeding | <input type="checkbox"/> no-till | <input type="checkbox"/> strip cropping |
| <input type="checkbox"/> cover crops | <input type="checkbox"/> forestry | <input type="checkbox"/> nutrient cycling | <input type="checkbox"/> stubble mulching |
| <input type="checkbox"/> crop breeding | <input type="checkbox"/> green manures | <input type="checkbox"/> organic fertilizers | <input type="checkbox"/> tissue analysis |
| <input type="checkbox"/> crop rotation | <input type="checkbox"/> intercropping | <input type="checkbox"/> permaculture | <input type="checkbox"/> transitioning to organic |
| <input type="checkbox"/> double cropping | <input type="checkbox"/> irrigation | <input type="checkbox"/> reduced applications | <input type="checkbox"/> other: _____ |

Animal Production

- | | | | |
|---|---|---|---|
| <input type="checkbox"/> alternative feedstuffs | <input type="checkbox"/> feed rations | <input type="checkbox"/> mineral supplements | <input type="checkbox"/> stocking rate |
| <input type="checkbox"/> alternative housing | <input type="checkbox"/> free-range | <input type="checkbox"/> multispecies grazing | <input type="checkbox"/> stockpiled forages |
| <input type="checkbox"/> altern. parasite control | <input type="checkbox"/> grazing management | <input type="checkbox"/> pasture fertility | <input type="checkbox"/> therapeutics |
| <input type="checkbox"/> animal protection | <input type="checkbox"/> herbal medicines | <input type="checkbox"/> pasture renovation | <input type="checkbox"/> watering system |
| <input type="checkbox"/> composting | <input type="checkbox"/> homeopathy | <input type="checkbox"/> preventive practices | <input type="checkbox"/> winter forage |
| <input type="checkbox"/> continuous grazing | <input type="checkbox"/> implants | <input type="checkbox"/> probiotics | <input type="checkbox"/> other _____ |
| <input type="checkbox"/> feed additives | <input type="checkbox"/> inoculants | <input type="checkbox"/> range improvement | |
| <input type="checkbox"/> feed formulation | <input type="checkbox"/> livestock breeding | <input type="checkbox"/> rotational grazing | |
| | <input type="checkbox"/> manure management | <input type="checkbox"/> shade/shelter | |

Pest Management

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> allelopathy | <input type="checkbox"/> fallow | <input type="checkbox"/> physical control | <input type="checkbox"/> traps |
| <input type="checkbox"/> biological control | <input type="checkbox"/> field monitoring | <input type="checkbox"/> plastic mulching | <input type="checkbox"/> trap crops |
| <input type="checkbox"/> chemical control | <input type="checkbox"/> flame | <input type="checkbox"/> precision cultivation | <input type="checkbox"/> vegetative mulching |
| <input type="checkbox"/> competition | <input type="checkbox"/> genetic resistance | <input type="checkbox"/> precision herbicide use | <input type="checkbox"/> weather monitoring |
| <input type="checkbox"/> compost extracts | <input type="checkbox"/> IPM | <input type="checkbox"/> prevention | <input type="checkbox"/> weed ecology |
| <input type="checkbox"/> cultural control | <input type="checkbox"/> killed mulches | <input type="checkbox"/> row covers | <input type="checkbox"/> weeder geese |
| <input type="checkbox"/> disease vectors | <input type="checkbox"/> living mulches | <input type="checkbox"/> sanitation | <input type="checkbox"/> other _____ |
| <input type="checkbox"/> economic threshold | <input type="checkbox"/> mating disruption | <input type="checkbox"/> smother crops | |
| <input type="checkbox"/> eradication | <input type="checkbox"/> mechanical control | <input type="checkbox"/> soil solarization | |

Soil Management

- | | | | |
|---|--|---------------------------------------|---|
| <input type="checkbox"/> carbon sequestration | <input type="checkbox"/> nutrient mineralization | <input type="checkbox"/> soil biology | <input type="checkbox"/> soil chemistry |
| <input type="checkbox"/> soil organic matter | <input type="checkbox"/> soil physics | <input type="checkbox"/> soil quality | <input type="checkbox"/> other _____ |

Natural Resources/Environment

- | | | | |
|---|--|---|---------------------------------------|
| <input type="checkbox"/> afforestation | <input type="checkbox"/> grass hedges | <input type="checkbox"/> riparian plantings | <input type="checkbox"/> wildlife |
| <input type="checkbox"/> biodiversity | <input type="checkbox"/> grass waterways | <input type="checkbox"/> riverbank protection | <input type="checkbox"/> windbreaks |
| <input type="checkbox"/> biosphere | <input type="checkbox"/> habitat enhancement | <input type="checkbox"/> soil stabilization | <input type="checkbox"/> woody hedges |
| <input type="checkbox"/> conservation tillage | <input type="checkbox"/> hedgerows | <input type="checkbox"/> terraces | <input type="checkbox"/> other _____ |
| <input type="checkbox"/> contour cultivation | <input type="checkbox"/> indicators | <input type="checkbox"/> wetlands | |

Education & Training

- | | | | |
|--|---|--|--|
| <input type="checkbox"/> case study | <input checked="" type="checkbox"/> demonstration | <input type="checkbox"/> focus group | <input type="checkbox"/> study circle |
| <input type="checkbox"/> conference | <input type="checkbox"/> display | <input type="checkbox"/> mentoring | <input type="checkbox"/> workshop |
| <input type="checkbox"/> curriculum | <input checked="" type="checkbox"/> fact sheet | <input type="checkbox"/> network | <input type="checkbox"/> youth education |
| <input type="checkbox"/> database | <input type="checkbox"/> farmer to farmer | <input checked="" type="checkbox"/> on-farm research | <input type="checkbox"/> other _____ |
| <input type="checkbox"/> decision support system | | <input type="checkbox"/> participatory research | |

Economic/Marketing

- | | | | |
|---|---|---|--|
| <input type="checkbox"/> alternative enterprise | <input type="checkbox"/> cost and returns | <input type="checkbox"/> feasibility study | <input checked="" type="checkbox"/> market study |
| <input checked="" type="checkbox"/> budget | <input checked="" type="checkbox"/> direct marketing | <input checked="" type="checkbox"/> financial analysis | <input type="checkbox"/> risk management |
| <input type="checkbox"/> cooperatives | <input checked="" type="checkbox"/> e-commerce | <input checked="" type="checkbox"/> food/product quality/safety | <input checked="" type="checkbox"/> value added |
| <input type="checkbox"/> CSA | <input checked="" type="checkbox"/> farm-to-institution | <input type="checkbox"/> labor/employment | <input type="checkbox"/> other _____ |

Community Development

- | | | | |
|---|--|---|--|
| <input type="checkbox"/> agritourism | <input type="checkbox"/> leadership development | <input type="checkbox"/> public policy | <input checked="" type="checkbox"/> new business opportunities |
| <input type="checkbox"/> community planning | <input type="checkbox"/> local/regional/community food systems | <input type="checkbox"/> technical assistance | <input type="checkbox"/> other: _____ |
| <input type="checkbox"/> ethnic differences/cultural & demographic change | <input type="checkbox"/> partnerships | <input type="checkbox"/> urban agriculture | |
| <input type="checkbox"/> infrastructure analysis | <input type="checkbox"/> public participation | <input type="checkbox"/> urban/rural integrations | |

Quality of Life

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> analysis of personal/family life | <input type="checkbox"/> social capital | <input type="checkbox"/> social psychological indicators | <input type="checkbox"/> community services |
| <input type="checkbox"/> employment opportunities | <input type="checkbox"/> social networks | <input type="checkbox"/> sustainability measures | <input type="checkbox"/> other _____ |

Energy Conservation & Renewable Energy

- | | | |
|---|---|---|
| <input type="checkbox"/> bioenergy and biofuels | <input type="checkbox"/> wind power | <input type="checkbox"/> energy use & consumption |
| <input type="checkbox"/> solar energy | <input type="checkbox"/> energy conservation/efficiency | <input type="checkbox"/> other: _____ |

VI. COMMODITY

Please check all plants and/or animals that are a component of your project.

Plants

Agronomic

- | | | | | |
|--|---|------------------------------------|-------------------------------------|--|
| <input type="checkbox"/> barley | <input type="checkbox"/> grass/legume hay | <input type="checkbox"/> peanuts | <input type="checkbox"/> sorghum | <input type="checkbox"/> sweetpotatoes |
| <input checked="" type="checkbox"/> canola | <input type="checkbox"/> legume hay | <input type="checkbox"/> potatoes | <input type="checkbox"/> soybeans | <input type="checkbox"/> tobacco |
| <input type="checkbox"/> corn | <input type="checkbox"/> hops | <input type="checkbox"/> rapeseed | <input type="checkbox"/> spelt | <input type="checkbox"/> wheat |
| <input type="checkbox"/> cotton | <input type="checkbox"/> kenaf | <input type="checkbox"/> rice | <input type="checkbox"/> sugarbeets | <input type="checkbox"/> other _____ |
| <input type="checkbox"/> flax | <input type="checkbox"/> millet | <input type="checkbox"/> rye | <input type="checkbox"/> sugarcane | <input type="checkbox"/> _____ |
| <input type="checkbox"/> grass hay | <input type="checkbox"/> oats | <input type="checkbox"/> safflower | <input type="checkbox"/> sunflower | |

Vegetable

- | | | | | |
|--|--------------------------------------|----------------------------------|------------------------------------|--|
| <input type="checkbox"/> artichokes | <input type="checkbox"/> cabbage | <input type="checkbox"/> garlic | <input type="checkbox"/> parsnips | <input type="checkbox"/> squashes |
| <input type="checkbox"/> asparagus | <input type="checkbox"/> carrots | <input type="checkbox"/> greens | <input type="checkbox"/> peas | <input type="checkbox"/> sweet corn |
| <input type="checkbox"/> beans | <input type="checkbox"/> cauliflower | <input type="checkbox"/> kale | <input type="checkbox"/> peppers | <input type="checkbox"/> tomatoes |
| <input type="checkbox"/> beets | <input type="checkbox"/> celery | <input type="checkbox"/> leeks | <input type="checkbox"/> pumpkins | <input type="checkbox"/> turnips |
| <input type="checkbox"/> broccoli | <input type="checkbox"/> cucumbers | <input type="checkbox"/> lentils | <input type="checkbox"/> radishes | <input type="checkbox"/> watermelon |
| <input type="checkbox"/> brussel sprouts | <input type="checkbox"/> eggplant | <input type="checkbox"/> lettuce | <input type="checkbox"/> rutabagas | <input type="checkbox"/> other : _____ |
| | <input type="checkbox"/> escarole | <input type="checkbox"/> onions | <input type="checkbox"/> spinach | _____ |

Fruit

- | | | | | |
|--------------------------------------|--------------------------------------|----------------------------------|-------------------------------------|---------------------------------------|
| <input type="checkbox"/> apples | <input type="checkbox"/> cherries | <input type="checkbox"/> lemons | <input type="checkbox"/> peaches | <input type="checkbox"/> strawberries |
| <input type="checkbox"/> apricots | <input type="checkbox"/> cranberries | <input type="checkbox"/> limes | <input type="checkbox"/> pears | <input type="checkbox"/> tangerines |
| <input type="checkbox"/> avocados | <input type="checkbox"/> figs | <input type="checkbox"/> melons | <input type="checkbox"/> pineapples | <input type="checkbox"/> other _____ |
| <input type="checkbox"/> bananas | <input type="checkbox"/> grapefruit | <input type="checkbox"/> olives | <input type="checkbox"/> plums | <input type="checkbox"/> _____ |
| <input type="checkbox"/> blueberries | <input type="checkbox"/> grapes | <input type="checkbox"/> oranges | <input type="checkbox"/> quinces | <input type="checkbox"/> _____ |
| <input type="checkbox"/> brambles | | | | |

Nuts

- | | | | | |
|------------------------------------|------------------------------------|-------------------------------------|----------------------------------|--------------------------------------|
| <input type="checkbox"/> almonds | <input type="checkbox"/> hazelnuts | <input type="checkbox"/> pecans | <input type="checkbox"/> walnuts | <input type="checkbox"/> other _____ |
| <input type="checkbox"/> chestnuts | <input type="checkbox"/> macadamia | <input type="checkbox"/> pistachios | | |

Additional Plants

- | | | |
|------------------------------------|---|---|
| <input type="checkbox"/> herbs | <input type="checkbox"/> ornamentals (flowers, shrubs, trees, turf) | <input type="checkbox"/> trees (Christmas, fiber, windbreaks) |
| <input type="checkbox"/> mushrooms | <input type="checkbox"/> native plants (grasses, shrubs, trees) | <input type="checkbox"/> other _____ |

Animals

- | | | | | |
|--------------------------------|----------------------------------|----------------------------------|----------------------------------|--------------------------------------|
| <input type="checkbox"/> beef | <input type="checkbox"/> chicken | <input type="checkbox"/> rabbits | <input type="checkbox"/> swine | <input type="checkbox"/> other _____ |
| <input type="checkbox"/> dairy | <input type="checkbox"/> goats | <input type="checkbox"/> sheep | <input type="checkbox"/> turkeys | <input type="checkbox"/> _____ |

Miscellaneous

- | | | | | |
|-------------------------------|-------------------------------|----------------------------------|------------------------------------|--------------------------------------|
| <input type="checkbox"/> bees | <input type="checkbox"/> fish | <input type="checkbox"/> ratites | <input type="checkbox"/> shellfish | <input type="checkbox"/> other _____ |
|-------------------------------|-------------------------------|----------------------------------|------------------------------------|--------------------------------------|

VII. INFORMATION PRODUCTS

Please complete this form for each publication or information product generated as part of this SARE project.

Format of publication or information product (check only one):

- | | | |
|--------------------------------------|--|---|
| <input type="checkbox"/> Book | <input type="checkbox"/> Video | <input type="checkbox"/> Extension pub |
| <input type="checkbox"/> Handbook | <input checked="" type="checkbox"/> Fact Sheet | <input type="checkbox"/> Software |
| <input type="checkbox"/> Workbook | <input type="checkbox"/> Manual | <input checked="" type="checkbox"/> Website |
| <input type="checkbox"/> CD-ROM | <input type="checkbox"/> Newsletter | <input checked="" type="checkbox"/> Journal Article |
| <input type="checkbox"/> Other _____ | | |

How would you characterize the technical level of this publication? (check all that apply)

- Beginner Intermediate Advanced

Who is the target audience? (check all that apply)

- Farmers Educators Researchers Consumers

Title: _____

Author(s): _____

Website (URL): www.canolaoilproducts.com

Website (PDF): _____

Ordering Information:

Contact Name: _____

Organization: _____

Address: _____

City: _____ State: _____ (such as CA, NY, etc.) Zip Code: _____

Phone Number: _____ - _____ - _____ Fax Number: _____ - _____ - _____

E-mail: _____

Order website: _____

Publication/product order ID (e.g. extension publication ID): _____

Publication/release date: _____ Available in quantity? ___ Yes ___ No

Cost: \$ _____ Shipping & Handling charges? \$ _____

ADDITIONAL INFORMATION PRODUCTS

Please complete this form for each publication or information product generated as part of this SARE project.

Format of publication or information product (check only one):

- | | | |
|--------------------------------------|-------------------------------------|--|
| <input type="checkbox"/> Book | <input type="checkbox"/> Video | <input type="checkbox"/> Extension pub |
| <input type="checkbox"/> Handbook | <input type="checkbox"/> Fact Sheet | <input type="checkbox"/> Software |
| <input type="checkbox"/> Workbook | <input type="checkbox"/> Manual | <input type="checkbox"/> Website |
| <input type="checkbox"/> CD-ROM | <input type="checkbox"/> Newsletter | <input type="checkbox"/> Journal Article |
| <input type="checkbox"/> Other _____ | | |

How would you characterize the technical level of this publication? (check all that apply)

- Beginner Intermediate Advanced

Who is the target audience? (check all that apply)

- Farmers Educators Researchers Consumers

Title: _____

Author(s): _____

Website (URL): _____

Website (PDF): _____

Ordering Information:

Contact Name: _____

Organization: _____

Address: _____

City: _____ State: _____ (such as CA, NY, etc.) Zip Code: _____

Phone Number: _____ - _____ - _____ Fax Number: _____ - _____ - _____

E-mail: _____

Order website: _____

Publication/product order ID (e.g. extension publication ID): _____

Publication/release date: _____ Available in quantity? ___ Yes ___ No

Cost: \$ _____ Shipping & Handling charges? \$ _____