Pilot Testing of Raw Elderberry Vinegar Production Feasibility For Small Farms (FNC23-1390)







Farmers

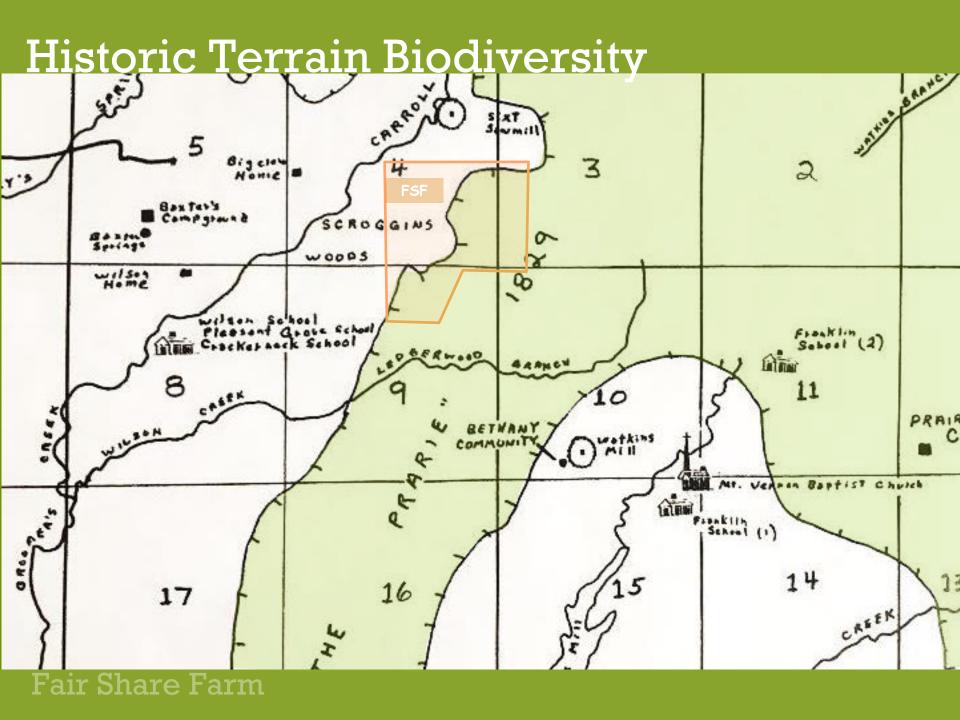
Tom Ruggieri Rebecca Graff

Fair Share Farm

Fair Share Farm



Land Acknowledgement Hampton Platteville Humboldt Storm Lake Ainsworth Waterloo Sioux City Fort Dodge Dubuque Manchester Treaties O'Neill Territories Languages Ida Grove Chevenne Search your address, or toggle switches Pierce above to add shapes. Click around! Think Mullen IOWA critically about this map Thedford Cedar Rapids Brewster West Point Taylor Tipton lowa Q 18613 Downing Road, Kearney, N 🗙 Pawnee Albion Ord Des Moines Davenport Stapleton Columbus Fremont Broken Bow Atlantic Fullerton Washington Kewan Territories St. Paul Creston Potawatomi Osceola Chariton Ottumwa Mount Pleasant Grand Island Languages V lowa York Lincoln Burlington Lexington Potaw Clarinda Leon Centerville Kearney Nebraska City Elwood lowa Treaties Potawatomi Keokuk 77 Jíwere ich'é Maryville Contact local nations to verify: McCook Kirksville Nelson Jíwere ich'é Fairbury Illinois Alma Kiikaapoi (Kickapoo) Pawnee Quincy 4AZAZO KOZO COCO MA^ZA^(Osage) □ Marysville Chillicothe Phillipsburg Saint Joseph Očhéthi Šakówin 🚨 Marceline Hannibal Atchison Missouri Beloit Holton Chevenne Moberly Clay Center Goodland Kaáⁿze. Manhattan Mexico Oakley Kansas City Marshall Topeka Troy Columbia Alton Arapaho Kaá°ze Ellsworth St. Louis Council Grove Ottawa Jefferson City Leoti Scott City KANSAS Emporia herson MISSOURI Las Animas Lamar Syracuse Rolla lola Nevada St. Robert Farmington Wich Osage Lebanon Osage Mark Twain Howard Pittsburg **National Forest** Parsons Springfield Joplin Coffeyville Comanche National Monett Grassland Bartlesville Boise City 64 Quapaw West Plains Branson [Gáui[dòñ:gyà (Kiowa) Clayton Cherokee Mountain Home Pryor Creek Village (c) mapbox Harrison



18 Years of Community Supported Ag

Fair Share Farm Ferments



SARE Project Work Plan

- Winery permitting
- Vinegar research and on-line course
- Juicing and winemaking
- Vinegar production evaluation (4 methods)
- Evaluate health chemistry
- Evaluate culinary benefits, public demand
- Evaluate restaurant production of vinegar

MO ATC Bureau Winery Licensing



PROCEDURE FOR APPLYING FOR A MANUFACTURER LIQUOR LICENSE (pursuant to section 311.180, RSMo.)

ALLOW 10 - 21 DAYS FOR PROCESSING

- 1. APPLICATION FOR MANUFACTURER-SOLICITOR Completed application form filled out in black ink or typed, signed by the applicant(s) or managing officer and notarized.
- LICENSE FEE Money Order or Cashier's check made payable to the Director of Revenue,
 State of Missouri, for the correct amount of pro-rated license fee.
- 3. CRIMINAL RECORD CHECK Submission of a criminal record check issued by the Missouri State Highway Patrol Criminal Records Division (Missouri residents) or the applicable state criminal records division of residency for non-Missourians. Must be dated within six (6) months of the date of application. Must include the individual's full name, any commonly used aliases, date of birth, and social security number. Record checks are required for the 1) sole owner, all partners, or the managing officer, 2) each officer/director for the applicant entity, and 3) each stock/share holder, trustee, or person owning or controlling, legally or beneficially, directly or indirectly, ten percent or more overall of the applicant entity. Missouri record checks can be obtained online or by mail using this link to access the Criminal Record Check Form.
- 4. MISSOURI RETAIL SALES TAX LICENSE Copy of Missouri Retail Sales Tax license in the name of the applicant, partners, or Corporation or Organization with the correct address of the business to be licensed (only necessary if the Manufacturer plans to sell merchandise/items to consumers).
- CERTIFICATE OF NO TAX DUE From the Missouri Department of Revenue; <u>must</u> be dated within 90 days <u>and</u> addressed "To Supervisor of Liquor Control." Required regardless of exemption status. Can be obtained <u>online</u> with the Tax ID and PIN, or by phone at (573) 751-9268.
- 6. TAX RECEIPT Copy of the paid personal property tax or real estate tax receipt for the preceding year of the sole owner (sole proprietor), all partners (partnership), or the managing officer (LLC or corporations). A waiver of non-assessment will be accepted in lieu of the paid receipt if taxes were not owed the preceding year.



Missouri Department of Public Safety Division of Alcohol and Tobacco Control

CHECKLIST OF REQUIREMENTS FOR MANUFACTURER-SOLICITOR LICENSE

- VOTER REGISTRATION Proof of voter registration (ex. copy of voter registration card, letter, etc.) or printout from the Missouri Secretary of State's <u>voter verification website</u> of the sole owner (sole proprietor), all partners (partnership), or the managing officer (LLC or corporations).
- 8. PHOTO(S) Gray-scale or black and white computer printouts are acceptable so long as features are clear.
 - a. Recent photograph of the sole owner, each partner, or the managing officer (depending on the business structure) without a hat or sunglasses.
 - Recent photograph of the front of the building to be licensed and any detached storage areas.
- COPY OF SIGNED LEASE, DEED OR RENTAL AGREEMENT Copy of lease, rental agreement
 or contract of sale, or copy of warranty deed for premises to be licensed (must be in the
 name of person, persons or entity applying for the license).
- 10. CERTIFICATE OF GOOD STANDING From the Secretary of State or applicable state authority, dated within 90 days for the applicant organization. Not applicable to sole proprietors or general partnerships. Entities applying within 90 days of forming the entity may submit the Articles of Organization certificate in lieu of a Certificate of Good Standing. Required for the applicant entity and all legal entities owning or controlling ten percent or more of the stock or interest in the business.
- 11. COPY OF FEDERAL PERMIT From TTB (Alcohol Tax & Trade Bureau).
- 12. TAX BOND A Corporate Bond <u>form</u> properly executed by a bonding company and signed by the sole owner, all partners, or managing officer; or, an Assignment of Certificate of Deposit <u>form</u> properly executed by your banking institution and with the notarized signatures of the sole owner, all partners, or managing officer. The initial amount shall be \$1,000.00.
- 13. HEALTH INSPECTION Copy of a completed state health inspection if the applicant will also be wholesaling product. If not wholesaling, a health inspection may be obtained from the local public health agency.
- 14. SITE VISIT Contact the local district (see the district service areas under the "Return Documents To" section) to set up a pre-licensure site visit.

US Treasury Tax and Trade Bureau Permit



Permits Online

<u>A</u>	nnouncements Logged in as: Thomas F	Ruggieri My Record Collections	(<u>0)</u> <u>Cart (0)</u>	Reports (16) ▼	Account Management	<u>Log out</u>
<u>Home</u>	My Submissions	Resume Draft	<u>Help</u>			
	Permits Online WApplication Search Your Application cations Wizard	<u>ns</u>				

4 Submission confirmation

Step 1: Determine applications >>

2 Review

This wizard will help you identify, fill out, and submit a package of the applications you'll need in order to get your TTB permits, registrations, and/or notices.

3 Application

*indicates a required field

Application Contact

Please review the contact information we have on file for you. This should be your information, as the person filling out this application package, even if you're doing it on behalf of someone else.

Thomas Ruggieri

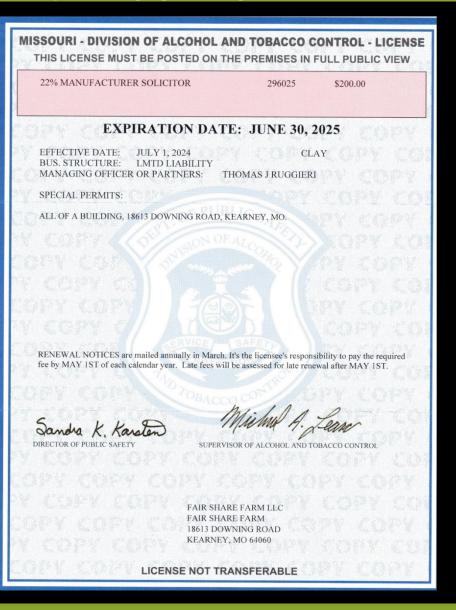
18613 Downing Rd tom@fairsharefarm.com 816-320-3763

18613 Downing Rd Kearney, MO, 64060

Edit

TTB Permit and MO ATC License

DEPARTMENT OF THE TREASURY - ALCOHOL AND TOBACCO TAX AND TRADE BUREAU	1. PERMIT NUMBER
	MO-W-21208
BASIC PERMIT	2. DATE OF PERMIT
(Under Federal Alcohol Administration Act)	07/18/2023
NAME AND ADDRESS OF PERMITTEE (Number and street, city or town, State and Zip Code)	3. REGISTRY NUMBER (if applicable)
FAIR SHARE FARM LLC	BWN-MO-21195 4. DATE OF APPLICATION
DBA:FAIR SHARE FARM	06/15/2023
18613 DOWNING RD	9003W8403-V1392W8839
KEARNEY, MO 64060	CCO TAY
	OB ACCEPTAGE
	宣 本:本 宣
	A Second
TRADE NAMES AUTHORIZED BY THIS PERMIT (Trade name approval does not constitute	
pproval as a brand name for labeling purposes. If needed, list on reverse or use continuation sheet.)	Core (Signal)
	*
7. PERMIT GRANTED FOR (ONE TYPE OF OPERATION ONLY)	
Pursuant to the application of the date indicated in item 4, you are authorized and permitted to engage	at the above address in the business of
 Distilled Spirits - distiller rectifier (processor) warehouseman and/or ware sell, offer or deliver for sale, contract to sell or ship, in interstate or foreign commerce, the distiller 	ehouseman and bottler and while so engaged, to
warehoused and bottled, or the wines so rectified,	unied spirits so distilled of rectified, of
b. X Wine - X producer and blender blender and while so engaged, to sell, offer or delive	
foreign commerce, the wine so produced or blended,	er for sale, contract to sell or snip, in interstate or
foreign commerce, the wine so produced or blended,	er for sale, contract to sell of snip, in interstate of
foreign commerce, the wine so produced or blended,	
foreign commerce, the wine so produced or blended, c. Importer - importing into the United States the following alcoholic beverages:	
foreign commerce, the wine so produced or blended, c. Importer - importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported,	
foreign commerce, the wine so produced or blended, c. Importer - importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages, while so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in inter	gn commerce, the alcoholic beverages so
foreign commerce, the wine so produced or blended, c. Importer - importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages:	gn commerce, the alcoholic beverages so
foreign commerce, the wine so produced or blended, c. Importer - importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages: while so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in interbeverages so Purchased.	gn commerce, the alcoholic beverages so
foreign commerce, the wine so produced or blended, c. Importer - Importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages: while so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in interstate or foreign severages so Purchased. This Permit is conditioned upon your compliance with the Federal Alcohol Administration Act, the T enforcement, all other Federal laws relating to distilled spirits, wine, and malt beverages, including the second selection of the selection	gn commerce, the alcoholic beverages so rstate or foreign commerce, the alcoholic wenty-first Amendment and lawe relating to its axes with respect to them; the Federal Water
foreign commerce, the wine so produced or blended, c. Importer - Importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages: while so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in interstate or foreign self-self-self-self-self-self-self-self-	gn commerce, the alcoholic beverages so relate or foreign commerce, the alcoholic wenty-first Amendment and laws relating to its axes with respect to them; the Federal Water ereafter be, in force.
foreign commerce, the wine so produced or blended, c. Importer - Importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages: while so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in interstate or foreign severages so Purchased. This Permit is conditioned upon your compliance with the Federal Alcohol Administration Act, the T enforcement, all other Federal laws relating to distilled spirits, wine, and malt beverages, including the second selection of the selection	gn commerce, the alcoholic beverages so relate or foreign commerce, the alcoholic wenty-first Amendment and lawe relating to its axes with respect to them; the Federal Water ereafter be, in force.
foreign commerce, the wine so produced or blended, c. Importer - Importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages, while so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in interbeverages so Purchased. This Permit is conditioned upon your compliance with the Federal Alcohol Administration Act. the Thenforcement, all other Federal laws relating to distilled spirits, wine, and malt beverages, including the Pollution Control Act, and, all applicable regulations made pursuant to law which are now, or may h. This basic permit is effective from the date shown above and will remain in force until suspended, resultomatically terminated.	gn commerce, the alcoholic beverages so restate or foreign commerce, the alcoholic wenty-first Amendment and laws relating to its axes with respect to them; the Federal Water ereafter be, in force.
foreign commerce, the wine so produced or blended, c. Importer - importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages, while so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in interbeverages so Purchased. This Permit is conditioned upon your compliance with the Federal Alcohol Administration Act; the Trenforcement, all other Federal laws relating to distilled spirits, wine, and malt beverages, including the Pollution Control Act; and, all applicable regulations made pursuant to law which are now or may he This basic permit is effective from the date shown above and will remain in force until suspended, reautomatically terminated. THIS PERMIT WILL AUTOMATICALLY TERMINATE THIRTY DAYS AFTER ANY CHANGE IN PR BUSINESS, unless an application for a new basic permit is made by the transferee or permittee with	gn commerce, the alcoholic beverages so retate or foreign commerce, the alcoholic wenty-first Amendment and laws relating to its axes with respect to them; the Federal Water greater be, in force.
foreign commerce, the wine so produced or blended, c. Importer - importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages, while so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in interstate so proceed to the self-or sale, contract to sell or ship, in interstate so purchased. This Permit is conditioned upon your compliance with the Federal Alcohol Administration Act, the Thenforcement all other Federal laws relating to distilled spirits, wine, and malt beverages, including the Pollution Control Act, and, all applicable regulations made pursuant to law which are now, or may he This basic permit is effective from the date shown above and will remain in force until suspended, reautomatically terminated. THIS PERMIT WILL AUTOMATICALLY TERMINATE THIRTY DAYS AFTER ANY CHANGE IN PR	gn commerce, the alcoholic beverages so retate or foreign commerce, the alcoholic wenty-first Amendment and laws relating to its axes with respect to them; the Federal Water greater be, in force.
foreign commerce, the wine so produced or blended, c. Importer - importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages, while so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in interstate severages so Purchased. This Permit is conditioned upon your compliance with the Federal Alcohol Administration Act the Teneforcement all other Federal laws relating to distilled spirits, wine, and malt beverages, including the Pollution Control Act and, all applicable regulations made pursuant to law which are now, or may he This basic permit is effective from the date shown above and will remain in force until suspended, reautomatically terminated. THIS PERMIT WILL AUTOMATICALLY TERMINATE THIRTY DAYS AFTER ANY CHANGE IN PR BUSINESS, unless an application for a new basic permit is made by the transferee or permittee will a new basic permit is made by the transferee or permittee will a new basic permit is mide to the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the applicati	gn commerce, the alcoholic beverages so restate or foreign commerce, the alcoholic wenty-first Amendment and laws relating to its axes with respect to them; the Federal Water ereafter be, in force, evoked, annulled, voluntarily surrendered, or evoked, annulled, voluntarily surrendered, or expected the property of the
foreign commerce, the wine so produced or blended, c. Importer - importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages, while so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in interstate so proceed to the severages of purchased. This Permit is conditioned upon your compliance with the Federal Alcohol Administration Act, the Trenforcement all other Federal laws relating to distilled spirits, wine, and malt beverages, including the Pollution Control Act, and, all applicable regulations made pursuant to law which are now, or may the This basic permit is effective from the date shown above and will remain in force until suspended, reautomatically terminated. THIS PERMIT WILL AUTOMATICALLY TERMINATE THIRTY DAYS AFTER ANY CHANGE IN PR BUSINESS, unless an application for a new basic permit is made by the transferee or permittee with a new basic permit is timely flied, the outstanding basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit is mirely flied, the outstanding basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will continue in effect until the application for a new basic permit will conti	gn commerce, the alcoholic beverages so retate or foreign commerce, the alcoholic wenty-first Amendment and laws relating to its axes with respect to them; the Federal Water ereafter be, in force. evoked, annulled, voluntarily surrendered, or exceptible of the property of the property of the property of the property of the evoked of the property of the evoked of evoked evoked of evoked evoke
foreign commerce, the wine so produced or blended, c. Importer - importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages, while so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in interstate so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in interstation and the severages of purchased. This Permit is conditioned upon your compliance with the Federal Alcohol Administration Act, the Trenforcement all other Federal allows relating to distilled spirits, wine, and malt beverages, including the Pollution Control Act, and, all applicable regulations made pursuant to law which are now, or may in This basic permit is effective from the date shown above and will remain in force until suspended, reautomatically terminated. THIS PERMIT WILL AUTOMATICALLY TERMINATE THIRTY DAYS AFTER ANY CHANGE IN PE BUSINESS, unless an application for a new basic permit is employed by the transferee or permittee will Alcohol and Tobacco Tax and Trade Bureau. THIS PERMIT IS NOT TRANSFERABLE. ANY CHANGE IN THE TRADE NAME, CORPORATE NEW SUSINESS COVERED BY THIS PERMIT, OR ANY CHANGE IN THE TRADE NAME, CORPORATE NEW SUSINESS COVERED BY THIS PERMIT, OR ANY CHANGE IN STOCK OWNERSHIP (MOPE THATONAL REVENUE CENTER OR PUERTO RICCO FIELD OFFICE WITHOUT DELAY.	gn commerce, the alcoholic beverages so retate or foreign commerce, the alcoholic wenty-first Amendment and laws relating to its axes with respect to them; the Federal Water ereafter be, in force. evoked, annulled, voluntarily surrendered, or expected to the property of the property of the expected of expected of the expected of the expected of the expected of expected of the expected of the expected of the expected of expected of
foreign commerce, the wine so produced or blended, c. Importer - importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages, while so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in interstate or provided in the severages of purchased. This Permit is conditioned upon your compliance with the Federal Alcohol Administration Act, the Trenforcement all other Federal laws relating to distilled spirits, wine, and mait beverages, including the Pollution Control Act, and, all applicable regulations made pursuant to law which are now, or may he This basic permit is effective from the date shown above and will remain in force until suspended, reautomatically terminated. THIS PERMIT WILL AUTOMATICALLY TERMINATE THIRTY DAYS AFTER ANY CHANGE IN PRUSINESS, unless an application for a new basic permit will continue in effect until the applica Alcohol and Tobacco Tax and Trade Bureau. THIS PERMIT IS NOT TRAINSFERABLE. ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT.	gn commerce, the alcoholic beverages so restate or foreign commerce, the alcoholic wenty-first Amendment and laws relating to its axes with respect to them; the Federal Water ercefter be, in force, evoked, annulled, voluntarily surrendered, or evoked, annulled, voluntarily surrendered, or experience of the property o
foreign commerce, the wine so produced or blended, c. Importer - importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages: while so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in interstate or foreign severages so Purchased. This Permit is conditioned upon your compliance with the Federal Alcohol Administration Act, the Trenforcement, all other Federal laws relating to distilled spirits, wine, and malt beverages, including to Pollution Control Act, and, all applicable regulations made pursuant to law which are now, or may he This basic permit is effective from the date shown above and will remain in force until suspended, re automatically terminated. THIS PERMIT WILL AUTOMATICALLY TERMINATE THIRTY DAYS AFTER ANY CHANIGE IN PRUSINESS, unless an application for a new basic permit is made by the ransferee or permittee with a new basic permit is timely filed, the outstanding basic permit will continue in effect until the applica Alcohol and Tobacco Tax and Trade Bureau. PHIS PERMIT IS NOT TRANSFERABLE. ANY CHANIGE IN THE TRADE NAME, CORPORATE NEW INSESS COVERED BY THIS PERMIT, OR ANY CHANIGE IN STOCK OWNERSHIP (MOPE TINATIONAL REVENUE CENTER OR PUERTO RICO FIELD OFFICE WITHOUT DELAY.	gn commerce, the alcoholic beverages so retate or foreign commerce, the alcoholic wenty-first Amendment and laws relating to its axes with respect to them; the Federal Water ereafter be, in force. EXPERIENCE SHIP OR CONTROL OF THE hin the thirty day period. If an application for atton is acted on by the District Director, IAME, MANAGEMENT OR ADDRESS OF THE HAN 10%) MUST BE REPORTED TO THE
foreign commerce, the wine so produced or blended, c. Importer - importing into the United States the following alcoholic beverages: while so engaged, to sell, offer to deliver for sale, contract to sell or ship, in interstate or foreign imported, d. Wholesaler – Purchasing for resale at wholesale the following alcoholic beverages, while so engaged, to receive or to sell, offer or deliver for sale, contract to sell or ship, in interstate or provided in the severages of purchased. This Permit is conditioned upon your compliance with the Federal Alcohol Administration Act, the Trenforcement all other Federal laws relating to distilled spirits, wine, and mait beverages, including the Pollution Control Act, and, all applicable regulations made pursuant to law which are now, or may he This basic permit is effective from the date shown above and will remain in force until suspended, reautomatically terminated. THIS PERMIT WILL AUTOMATICALLY TERMINATE THIRTY DAYS AFTER ANY CHANGE IN PRUSINESS, unless an application for a new basic permit will continue in effect until the applica Alcohol and Tobacco Tax and Trade Bureau. THIS PERMIT IS NOT TRAINSFERABLE. ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT. OR ANY CHANGE IN THE TRADE NAME, CORPORATE IN BUSINESS COVERED BY THIS PERMIT.	gn commerce, the alcoholic beverages so restate or foreign commerce, the alcoholic wenty-first Amendment and laws relating to its axes with respect to them; the Federal Water ereafter be, in force, evoked, annulled, voluntarily surrendered, or evoked, annulled, voluntarily surrendered, or experience of the property o



Malle-Schmickl Vinegar Course

ONLINE-SCHOOL SHOP BOOKS

COURSES

FORUMS FREE TOOLS

Making Vinegar Courses



In the vinegar classes you learn thoroughly during the theoretical part the basics and practical issues of alcohol- and vinegar fermentation, which problems can occur and how to solve them, how to construct a vinegar fermenter, the surface process and generator process, additional flavours by packing the fermenter, storage, as well as breeding a vinegar mother. We have produced about 50 different kinds of



vinegar, a special selection of these you can degust at the theoretical day. In the practical part of the course you make a vinegar mother by yourself which you can take home. You work with the surface process, start and finish a vinegar

fermenter (generator process), analyze acetic acid content and alcohol content. Further you can chose to take away three different vinegars from our sortiment. You have no time or possibility to attend our hands-on workshops? We host also online courses on fermenting vinegar. Further we offer short films, covering special themes in preparing vinegar.

WORKSHOP - CONTENT

WORKSHOP - ENROLL

ONLINE COURSE

Current developments and new features you can find in our free Newsletter.



Laboratory Analyses Equipment



Juicing



Winemaking

Fair Share Farm

Wine from Pomace

EW311

Start: 208 lb pomace @ 9 °Brix +/-13 gallon (108 lb) @ 12 °Brix solution

3.1 lbs raw organic sugar

Proofed EC-1118 yeast (saccharomyces bayanus)

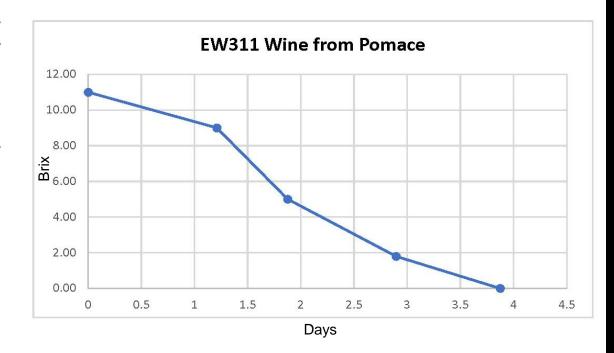
Ferment to 0 °Brix

Remove 114 lb pomace at end of fermentation

Store wine in glass @ 55 °F

Days	°Brix	Temp °F
0	11.00	72
1.21	9.00	74
1.88	5.00	75
2.90	1.80	76
3.88	0.00	70

26 gal wine 4 days



Method 1: Malle-Schmickl Vinegar Generator

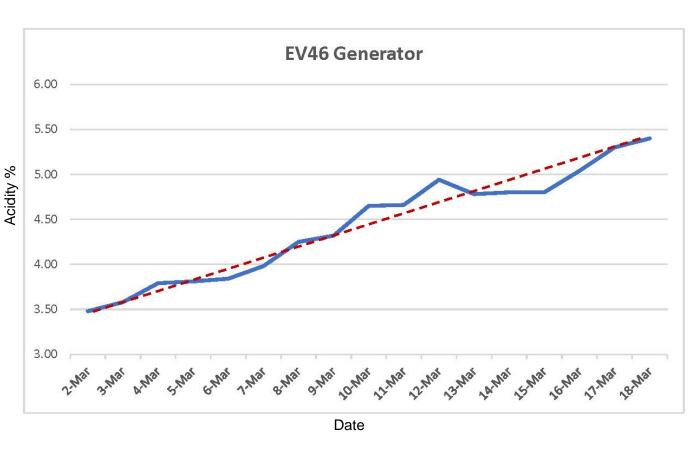


Generator with Heat Mat and Blanket

Generator Sample Batch

EV46

LV-10	
Date	Acidity (%)
2-Mar	3.48
3-Mar	3.58
4-Mar	3.79
5-Mar	3.81
6-Mar	3.84
7-Mar	3.98
8-Mar	4.25
9-Mar	4.32
10-Mar	4.65
11-Mar	4.66
12-Mar	4.94
13-Mar	4.78
14-Mar	4.80
15-Mar	4.80
16-Mar	5.04
17-Mar	5.30
18-Mar	5.40
slope = 1	L2.0%
4 ફ	gal
1000000 0	



16 Days

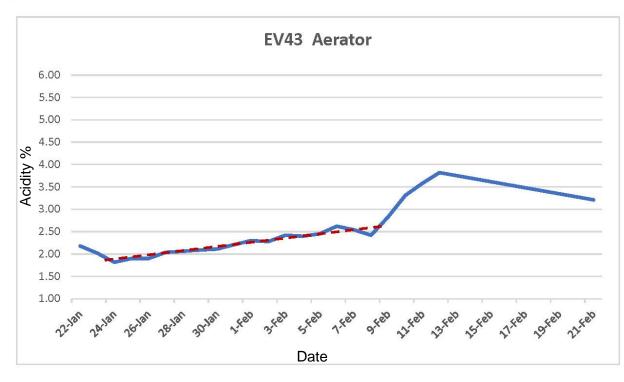
Method 2: Aerator



Aerator Batch

E3	r A	
EV	4	

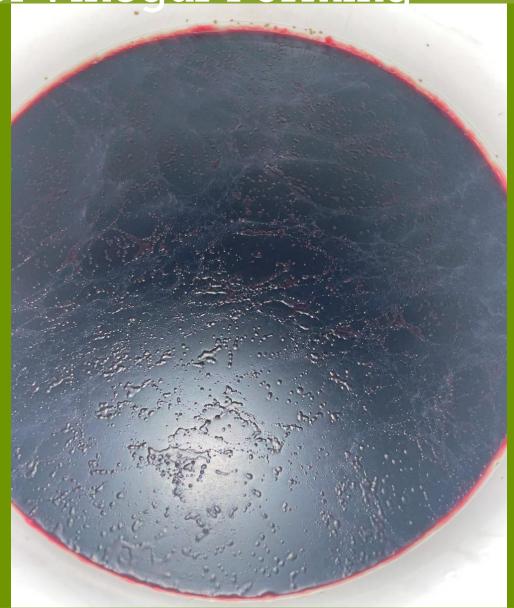
LV73		
Date	Acidity (%)	Alcohol % AB
22-Jan	2.18	4.48
23-Jan	2.02	-
24-Jan	1.82	3.7
25-Jan	1.90	-
26-Jan	1.90	=.
27-Jan	2.04	3.7
28-Jan	2.06	=
29-Jan	2.09	=
30-Jan	2.11	=
31-Jan	2.21	-
1-Feb	2.30	3.3
2-Feb	2.28	-
3-Feb	2.42	-
4-Feb	2.40	-
5-Feb	2.45	=
6-Feb	2.62	=
7-Feb	2.54	2.54
8-Feb	2.42	=
9-Feb	2.83	-
10-Feb	3.31	-
11-Feb	3.58	-
12-Feb	3.82	0.35
21-Feb	3.21	=
slope =	-2.3%	
108	oz	
21	days	



Method 3: Orleans Bucket



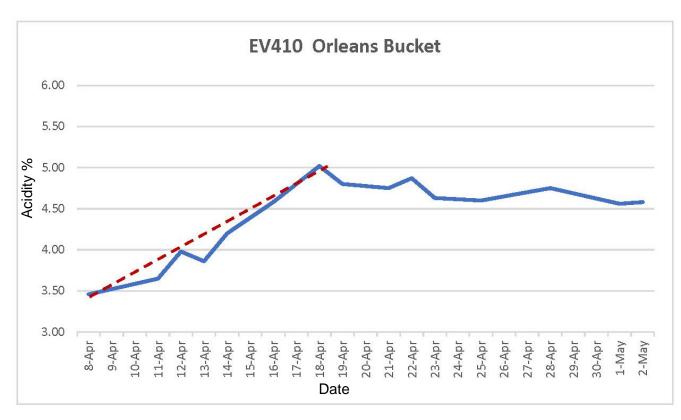
Mother of Vinegar Forming



Orleans Bucket Sample Batch

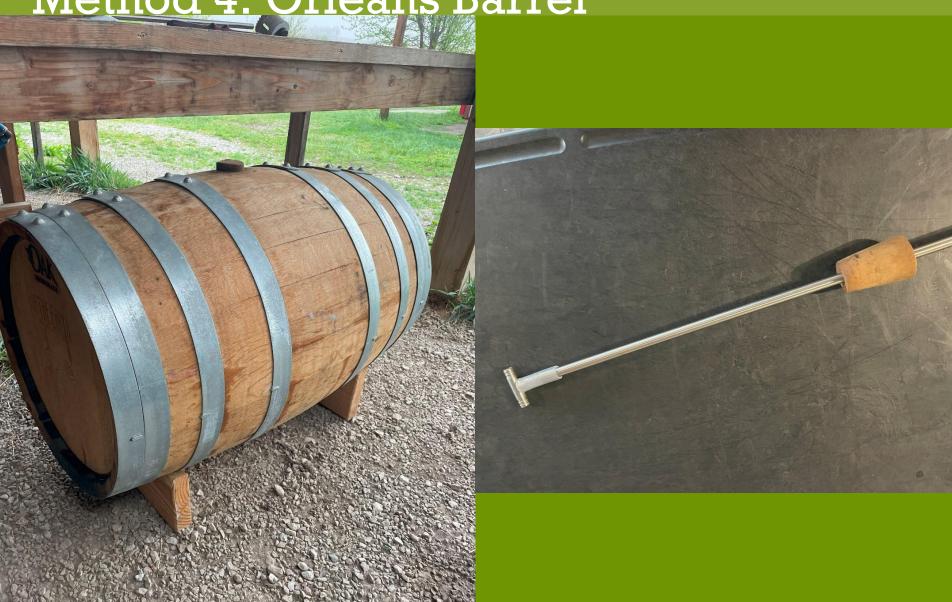
EV410

Date	Acidity (%)
8-Apr	3.46
11-Apr	3.65
12-Apr	3.98
13-Apr	3.86
14-Apr	4.20
15-Apr	4.39
16-Apr	4.58
18-Apr	5.02
19-Apr	4.80
21-Apr	4.75
22-Apr	4.87
23-Apr	4.63
25-Apr	4.60
27-Apr	4.70
28-Apr	4.75
1-May	4.56
2-May	4.58
slope = -	12.2%



2 gal 11 days

Method 4: Orleans Barrel



Fair Share Farm

Orleans Barrel Interior



Fair Share Farm

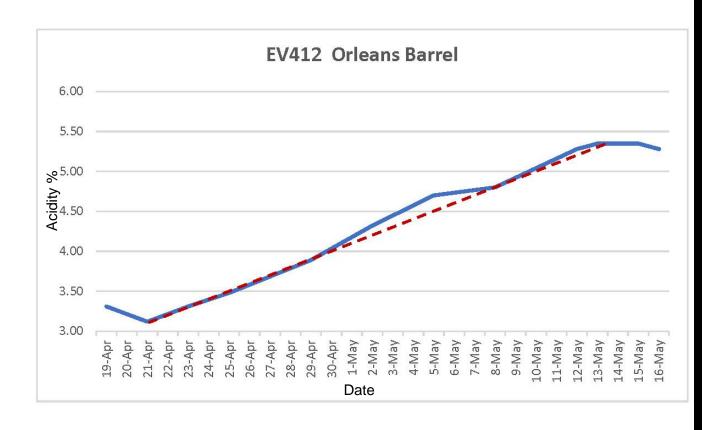
Orleans Barrel Mother Formation

Fair Share Farm

Orleans Barrel Sample Batch

EV412

Date	Acidity (%)
19-Apr	3.31
21-Apr	3.12
23-Apr	3.31
25-Apr	3.48
29-Apr	3.89
2-May	4.32
5-May	4.70
8-May	4.80
12-May	5.28
13-May	5.35
15-May	5.35
16-May	5.28
slope = 9	9.3%
15 ફ	gal
24 (days

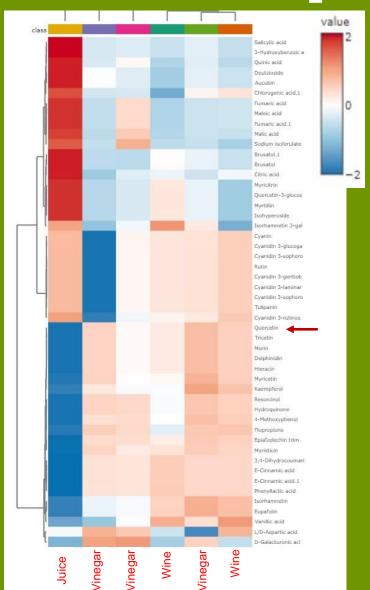


Raw American Elderberry Vinegar Enjoy voir complimentary voice Susable to Vinesar It has been produced for special to the specia ICAN ELDERBERM Fresh Balsal Fair Share Farm

Health Components Analyses -45 **Mizzou**

University of Missouri

Healthful Components Analysis



PROCESSING STEP	Quercetin
JUICE	0 1000000000000000000000000000000000000
EJ35_1 JUICE	230,694.25
EJ35_2	236,675.47
EJ35_3	209,618.72
WINE	
EW310_1 WINE FROM JUICE	2,183,315.35
EW310_2	2,157,352.30
EW310_3	2,147,644.16
EW311_1 WINE FROM POMACE	1,701,264.60
EW311_2	1,608,674.06
EW311_3	1,663,203.84
VINEGAR	
EV46_1 GENERATOR	2,112,797.40
EV46_2	2,029,917.90
EV46_3	2,078,783.73
EV410_1 ORLEANS BUCKET	2,625,870.33
EV410_2	2,687,173.96
EV410_3	2,569,687.13
EV412_1 ORLEANS BARREL	1,464,795.59
EV412_2	1,416,714.28
EV412_3	1,426,389.85



Healthful Components Analysis Conclusion

The analysis of the elderberry products highlights the unique chemical profiles of the health-promoting compounds in elderberry vinegar and wine compared to juice. The higher concentrations of specific compounds in vinegar suggest that it may offer benefits different from those of juice and wine. The PCA and heatmap analyses confirm the significant impact of fermentation on the metabolic profiles, further supporting the potential of elderberry vinegar and multifunctional ingredients in various as industries.



Public Demand Evaluation---Survey

0 0								
0		* **						
2. Rate on a	scale of 1-	100, wher	e 1 meai	ns you dic	d not e	njoy an	d 100 r	neans you
very much	enjoyed.							
	10	20 30	0 40	50	60	70	80	90 10
Smell								
٧.								
Taste								
Finish								
3. Give one		حام حم داده	aariba tl	ho Dow El	derhei	ry Vine	gar's	
characte	ristics. (suc	ch as colo	r. body.	aroma, ta	aste, fi	nish)		
characte	ristics. (su	ch as colo	r, body,	aroma, ta	aste, fi	nish)		
characte	ristics. (suc	ch as colo	or, body,	aroma, ta	aste, fi	nish)		
, -								
character		use the fo	ollowing	types of p	produc	ets.	1	
, -		use the fo			produc		dy	>1x /wee
, -	often you	use the fo	ollowing	types of p	produc	ets.	dy	>1x /wee
4. Rate how	often you	use the fo	ollowing	types of p	produc	ets.	dy	>1x /wee
4. Rate how	often you	use the fo	ollowing	types of p	produc	ets.	dy	>1x /wee
4. Rate how Other	often you	use the fo	ollowing	types of p	produc	ets.	dy	>1 <i>x /w</i> ee
4. Rate how Other elderberry products	often you	use the fo	ollowing	types of p	produc	ets.	dy	>1 <i>x /w</i> ee
4. Rate how Other elderberry products Raw	often you	use the fo	ollowing	types of p	produc	ets.	dy	>1 <i>x /w</i> ee
Other elderberry products Raw elderberry vinegar	often you	use the fo	ollowing	types of p	produc	ets.	dy	>1 <i>x /w</i> ee
4. Rate how Other elderberry products Raw elderberry	often you	use the fo	ollowing	types of p	produc	ets.	dy	>1 <i>x /w</i> ee
Other elderberry products Raw elderberry vinegar Other types	often you	use the fo	ollowing	types of p	produc	ets.	dy	>1 <i>x /w</i> ee
Other elderberry products Raw elderberry vinegar Other types of vinegars	often you Never	use the fo	ollowing ually	types of p	produc	week		
Other elderberry products Raw elderberry vinegar Other types of vinegars	often you	use the fo	ollowing ually	types of p	produc	week		
Other elderberry products Raw elderberry vinegar Other types of vinegars	often you Never	use the fo	ollowing ually	types of p	produc	week		
Other elderberry products Raw elderberry vinegar Other types of vinegars	often you Never	use the fo	ollowing ually	types of p	produc	week		

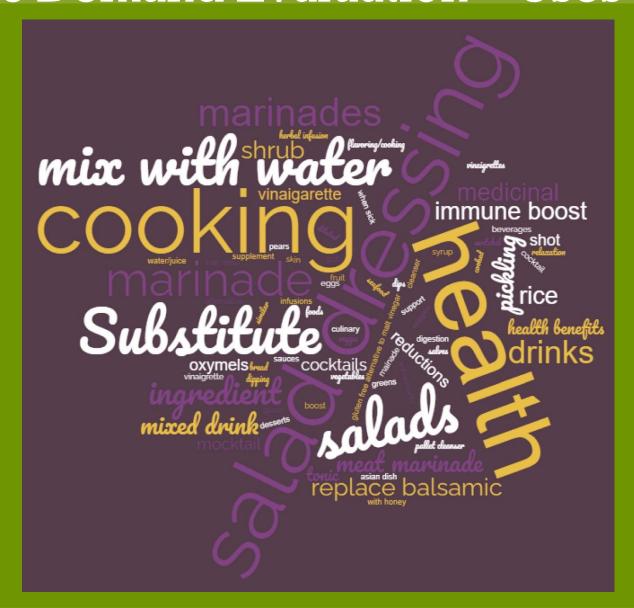


Public Demand Evaluation---Sensory





Public Demand Evaluation---Uses





Conclusions

- Further product development could create a product that serves as a
 comparable substitute, providing the same usability with additional
 value-added qualities to command a higher price point.
- Production methods could be adjusted to enhance sensory attributes described favorably (such as color, and aromas).
- Marketing messages can highlight unique selling points such as health benefits and unique flavor profiles, perhaps including recipes for suggested health tonics.
- The *target audience* should include local sourcing, health-conscious consumers and gourmet cooking enthusiasts.
- There could be potential partnerships with local chefs and health focused-local-sourcing grocery stores.
- Further research could involve *follow-up studies* to test refined product variations and conducted in targeted market venues for deeper insights.



Pear Tart with Elderberry Gastric



Restaurant Production Potential Potential

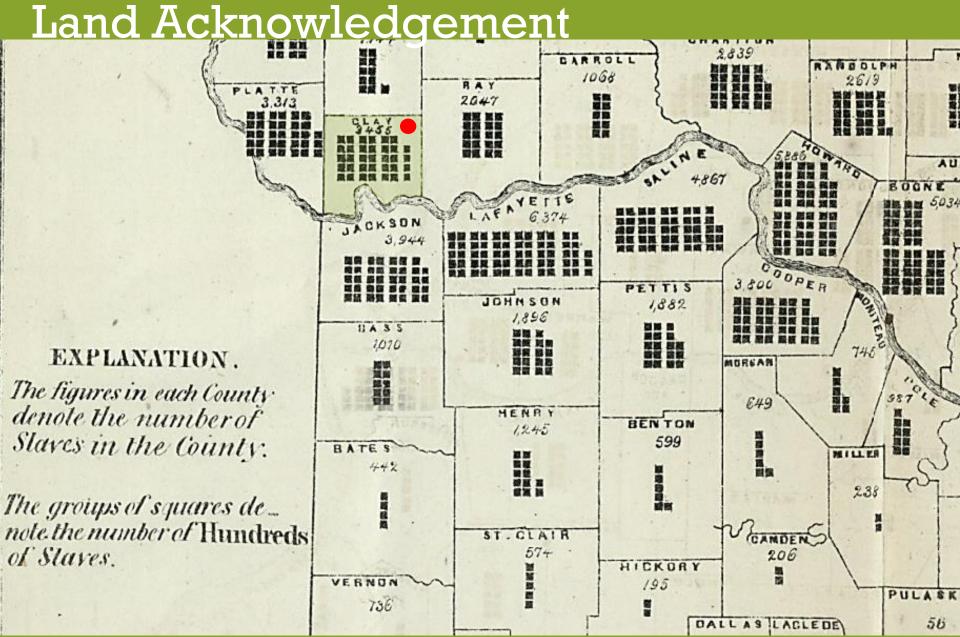
Fair Share Farm

Restaurant Production Potential

- Logistics and cost precluded the licensing of a restaurant as a winery for this project.
- Production of elderberry vinegar in a restaurant setting requires a serious commitment by the owner and staff. Production of a quality product requires regular testing and monitoring, as well as the appropriate space for fermenting the wine and vinegar.
- When I first met Chef Kendall he presented to me his musings on the idea of a fermentation lounge. If such a lounge were to exist, then perhaps the attention required to make raw vinegar would be possible on a restaurant scale

SARE Final Report





Fair Share Farm

Importance of Testing

A PRACTICAL TREATISE

ON

THE MANUFACTURE OF VINEGAR,

WITH

SPECIAL CONSIDERATION OF WOOD VINEGAR AND OTHER BY-PRODUCTS OBTAINED IN THE DESTRUCTIVE DISTILLATION OF WOOD; THE FABRICATION OF ACETATES, CIDER, AND FRUIT-WINES;

PRESERVATION OF FRUITS AND VEGETABLES BY CANNING AND EVAPORATION;

PREPARATION OF FRUIT-BUTTERS, JELLIES, MARMALADES, PICKLES, MUSTARDS, ETC.

PRESERVATION OF MEAT, FISH AND EGGS.

EDITED FROM VARIOUS SOURCES,

· BY

WILLIAM T. BRANNT,

AUTHOR OF "A PRACTICAL TREATISE ON THE RAW MATERIALS AND THE DISTILLATION AND RECTIFICATION OF ALCOHOL AND THE PREPARATION OF ALCOHOLIC LIQUORS."

SECOND EDITION.

Importance of Testing

12

MANUFACTURE OF VINEGAR.

occur, and should they happen, that he may be able to remove them. It may therefore be said that the entire art of the manufacture of vinegar consists in an accurate knowledge of the conditions of life of the vinegar bacteria and in the induction of these conditions of life. As long as the latter are maintained the process of the formation of vinegar will go on without disturbance, and the origination of new generations of vinegar ferment be connected with the conversion of certain quantities of alcohol into vinegar.

Acidity Testing Evaluation

Vinegar Acidity Testing Fair Share Farm

	MU GWI	FSF	
Sample	% acidity	% acidity	difference
EV44	6.15	5.88	0.27
EV42	5.64	5.50	0.14
EV310	4.36	4.68	-0.32
EC48	5.32	5.38	-0.06
average	5.37	5.36	0.01

Wine from Juice

EW310

Start: 20.5 gallons juice @ 9 °Brix

10 gallon @ 12 °Brix solution

7.7 lbs raw organic sugar

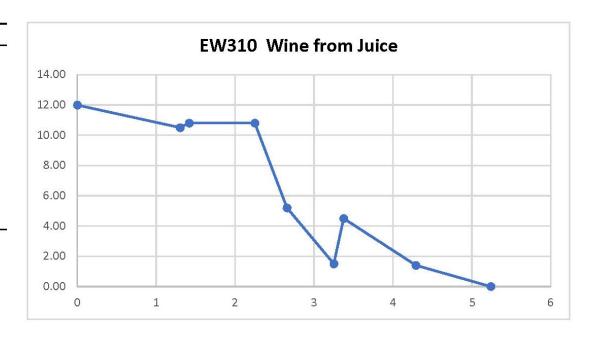
Proofed EC-1118 yeast (saccharomyces bayanus)

Ferment to 0 °Brix

Store wine in glass @ 55 °F

Days	°Brix	Temp °F
0	12.00	-
1.30	10.50	67
1.42	10.80	-
2.25	10.80	66
2.66	5.20	_
3.25	1.50	75
3.38	4.50	72
4.29	1.40	68
5.24	0.00	66.00

25 gal wine 5 days



Gunk from Skins



"Cave" Storage



Generator with 13 Gallon Reservoir

Fair Share Farm

Emptying and Refilling Orleans Barrel



Fair Share Farm

Orleans Barrel Mother after Re-fill

Fair Share Farm