3/2022 Year One Report SARE Farmer/Rancher Grant "Growing Table Grapes in Subtropical Hawaii Using Organic Practices" Gerry Herbert – Kawanui Farm – Kona, Hawaii

The Red Folder Research Documents:

Below are photos and explanations of some of the important "working papers" that Gerry has created this past year to assist him in keeping track of important information and observations in the vineyards and greenhouse. Gerry has kept meticulous notes on all aspects of the variety trials of table grapes starting in 2015. This information will be summarized and complied into charts or summarized into text at the end of next summer and pertinent information will be included in the published Booklet.

Objective Five: Write, publish, and mail 50 page booklet "Growing Table Grapes in Subtropical Hawaii Using Organic Practices." Downloadable copy available on Kawanui Farm website. For this year, these are his working papers along with notes in his Log Book.

The Red Folder Research Documents 2015-2020 and 2020-2022 Below are samples of Research Working Notes and Observations from 2021present. These examples reflect Research Objectives 1, 2, & 4.

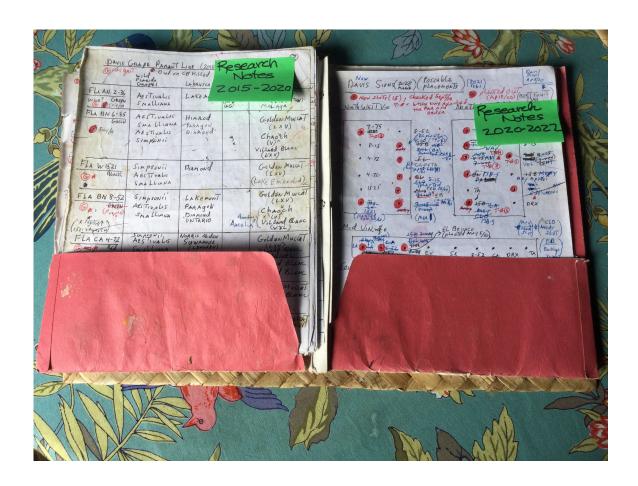
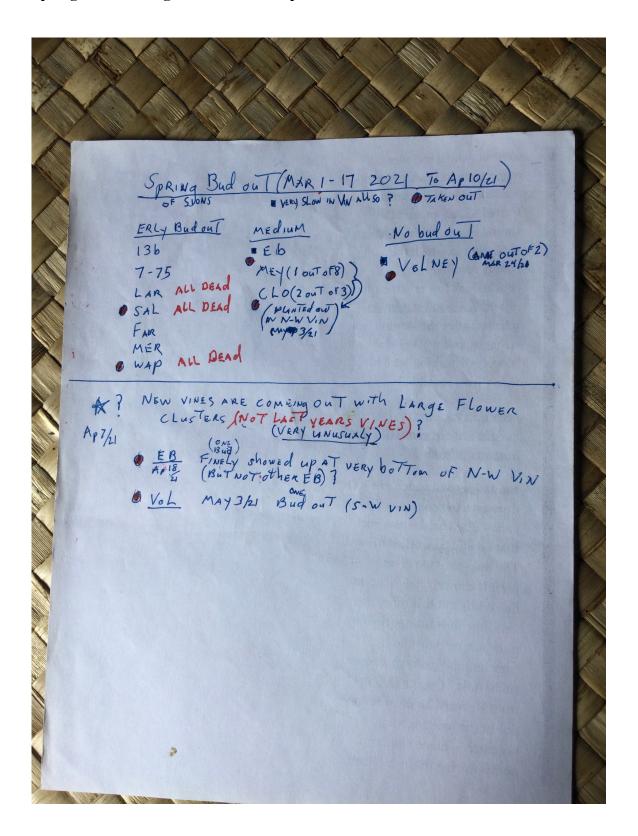


Chart vineyard placement of new UC Davis Grape Scions 2020 GARDEN VIN DAVIS SION- PLANT OUT (685,0NS SECOND BEST STHEOLOGIO THE BAR ROOTSTOCK GRAFTS Two GNAFTS ON FL (MUNSON GRAPIES D WAP JME 15 (Trenched Tcho 138.5 REPLANT MAY 1860 ALL GRAFTS ROOTSTOCK ? MEA (EX) POTTING Shed POTS # (VERY COOL SPRING MYZE) Apino VCLO I PER POT GROWTH DOA (DEAD) 2 PERPOT 3 1 2 (Two Sions) SLOW VMER NONE 2 4 7 SLOW 1 INTWOPOTS TAY OUTSIDE GRADEN 1111 VVOL 2 JINTWO POTE V WAP 24-4-2 2 INZ POTS 3 1 SLOW VED? 5 Low - Mid VEB IN Two Pots VERY SLOW 2 IN 2 POTS VERY FAST VM155 1((1) V FEN 2 ONE POT SLOW-MED VMEY VERY SLOW TO BOND 1111 VLAR ZX NONE SLOW-MED V 13B V 7-75 Slov - med m DAX DAX DAX SLOW-MET NONE MEd-FAST

Spring vine budding Chart March -April 2021



Scion Planting and Growth Score – 2020 New UC Davis Scions

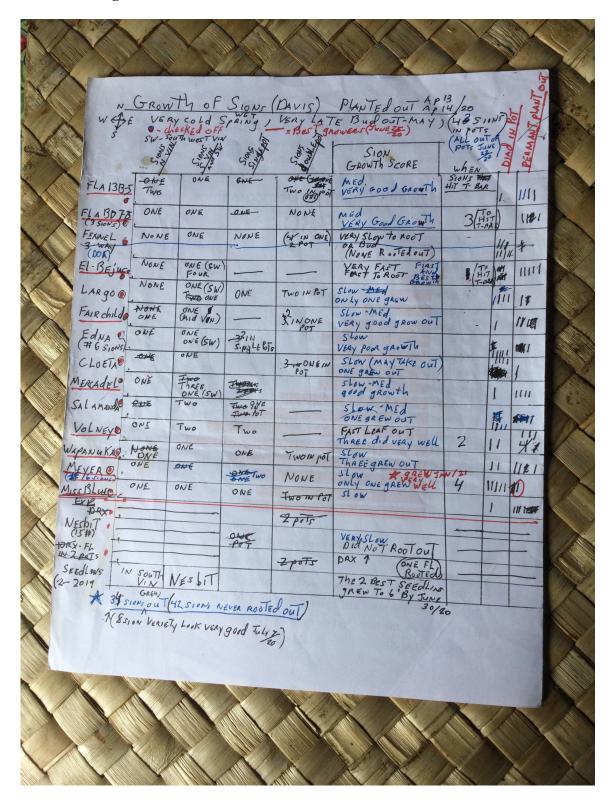


Chart of new UC Davis Scions from 2020 by variety name, Florida wild grape, Labrusca, Rotundifolia, or Mixed Hybrid parents in Variety.

		TACU TIY DITU	parents in	variety.	
				Spayes	
				NTEROUT (2020)	
n	S GRAPE	PARANTL	INE PLA	NEGOUI 2020/	
DAVI	DET INTER ECTIVA	= BEST grow	Th = Tak	KEN OUT (didEN MAKE 117,	
*5	OST INTER ESTING	2	D.T. JEL	MIXEd Hybrids	
	FLARI dx Wild GRAPES	LAUKUSCA	NO 14N OI 10WA	THEAT THE SEAT	
EL 130 E	V. ShuttLEWORTH	" ALDEN		GROSSE (V) MUSERS GUILL AUME	
FLA 13B-5	(HAINES CITY)			Guillagin	X
	V. T. T.		A-1105	CARLINA BLACK ROST	
FLABOT-13	Shut TLE WORTHIN	* LAKEMONT)	×	A A A A A A A A A A A A A A A A A A A	11
*			(NC 6-15)- ROTUNXMALA	OA ?MALY	
FENNEL (DOA)	,				
3-WAYHY DRIC	J Stipsolo.		ScupPER NONG		
(BLACK)	(WILD MEX GENE)				
EL BEjuco	CARIBEA			VIN CUN KNOWN)	
CKIOLA NEGRA				(Thought To be FROM (FROM) VENSAWALAIN 1600'S (FROM)	
(BLACK)? MAY BE GREEN	7			VENSAWALAIN 1600 S PPAIN)	
(FENNAL) *	Shuttleworthii			RIBIER(V)	
		X		X RUFOTONE NETASA V- ShuTTE WORTH	
(BLACK) (ONE ROOT)	(MABY SHALLEANA)			4-24411 WONTO	
FAIR child	CARIBEA	(4)		RIBIER (V)	
(FENNAL)				Thought (v)	
(BLACK)					623
EdNA	SIMPSONI			EdNA	1
	51 PHP30101			(MUNSON)	
(ONLY ONE ROOTED OUT				ARMLING X Mx LA GA	
MUNSON GRAPES	PLUS OTHERS) WILD				N.
CLOETA.	AMERICA	(Champini,)		BARRIER STORY	
Annual Control of Cont	V	DE GRASSETL		(A)	
(BLACK ONE ROOTED)	R.W. MUNSON	(BRITLIANT)			
MERICADEL		DELAWARE			
A	X				1
(Puaple)	DELAWARE				
SALAMAN da	SALAdo (FEX)	DELAWARE		Mus CAT (v) (Golden Chassalas)	
(REd) NONE ROOTE	DELAWARE LINLEY (1/5)	(WILDMAS GAAPE)		(GOLDEN CHASSALAS)	
					1
					No.

Work Plan for Cutting Scions January-February 2022 all Vineyards

ork Plan for Cutting Scions January-February 2022 all Vineyards					
GRAPE WORK TO DO JAN ENDOTE SIONS(FELD ENDOF) TO SEE (ONLY ONE OF DAVIS SIONS GREW) TO AN 28) TO SEE (ONLY ONE OF DAVIS SIONS GREW) OUT	Sions #				
Y					
7-75 V 3 FOR IgAL pols AND 2 FOR GARDEN VIN	5				
LARGO V 2-poots 2 For GANDEN VIN	42				
* To SEE - POOTS 4 GARDEN VIN 4 & 21 (WEST) V (FED 5)	长13 个				
# TO SEE 4 GARD UIN	8				
14 pots 12 garden VIN 12 pots					
Southern Home } MA by? LIN'S SIONS (LET'T GROW OUT) N GARREN VIN)					
	Line				

Chart of Scions to Cut in February 2022

SIONS to C. SOOTED (NOTED SOON BUDGET 136-5 MAR BUDGET SOUT)	OUT (1 GA NEW ONE SING FIND SIONS FIND SIONS	LATE FEB/2) (PRUNER N GRENOUT IN 2021 SELOND	Back up) PETER 8-11/21) PRUNINGS		BylouT Sand Gar
7-75		V) AER	YES	4
EB and	V	NOT PLANTED	Login III	160	
MAN LARGO MAN		1		YES	1-4-
MEYER G-7 (manly)			YES	YES	18
MEYER G-7 (sundy) MEYER G-7 (sundy) Mot many Man m	9	16361 1		YES	-+
OII ALL CLOETA MAR	/	V		YES.	3
MALL MERICADE	V	/	YES BIJONE	YES	2
OD VOLNEY NOT V	,	V		YES	2
2 495	,	/		YES	2
SEMINALE MAN		NOT PLANTED	and the second		
CARIB MAR PL	p 26/21			YES?	3
ERLY MAROLA TO APAIL					3

Vineyard Variety Placement January 20-January 2022

Current variety placement

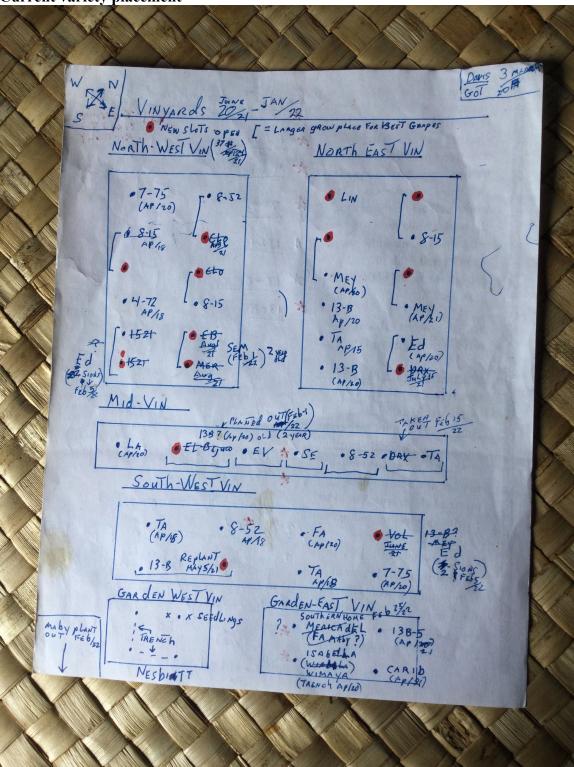


Chart and Notes of Scion Rooting and Plant out in all vineyards with new UC Davis scions varieties 2020-2021.

