FRAYSSINET

Influence of 007 fertilizer / biostimulant on the efficacy on yield improvement in vineyard. Field 2023

Trial ID:DEV-007 2023 TEST LOC SYRAH DB66
Protocol ID:DEV-007 2023 GRAPE FORM Location:FRANCE Trial Year:2023
Project ID:2023 DEV-007 INNOV Project ID 2: Project ID 3:
Study Director:Marie-Emmanuelle SAINT-MACARY Sponsor Contact:Marie-Emmanuelle SAINT-MACARY
Investigator:

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	1*	2*	3*	4*	5*	6*
Rating Date					May-30-2023	Jul-11-2023	Jul-11-2023	Jul-11-2023	Sep-7-2023	Sep-7-2023
SE Name					PROTOCOLE VI	protocole vi	PROTOCOLE VI	PROTOCOLE VI	PROTOCOLE VI	PROTOCOLE VI
SE Description					fertilisation ->	fertilisation ->	fertilisation ->	fertilisation ->		
Part Rated					LEAF2; C	PLANT; C	LEAF1; C	LEAF2; C	BUNCH; C	BUNCH; C
Rating Type					CHLCON	VIGOR	CHLCON	CHLCON	COUNT	WEIFRE
Rating Unit/Min/Max					INDEX; -; -	%; 0; 100	INDEX; -; -	INDEX; -; -	NUMBER; -; -	g; -; -
Sample Size					10 PLANT	1 PLOT	10 PLANT	10 PLANT	5 VINE	5 VINE
Collection Basis					1 PLOT		1 PLOT	1 PLOT		
Number of Subsamples					1	1	1	1	5	5
Crop Type, Code					C; VITVI	C; VITVI	C; VITVI	C; VITVI	C; VITVI	C; VITVI
BBCH Scale					BGRA	BGRA	BGRA	BGRA	BGRA	BGRA
Crop Scientific Name					Vitis vinifera	Vitis vinifera	Vitis vinifera	Vitis vinifera	Vitis vinifera	Vitis vinifera
Crop Name					European Grape	European Grape	European Grape	European Grape	European Grape	European Grape
Crop Stage Scale					BBCH	BBCH	BBCH	BBCH	BBCH	BBCH
Crop Stage Majority/Min/Max					65	77	77	77	89	89
Pest Type										
Pest Code										
Pest Scientific Name										
Pest Name										
Rating Timing					A3	A1	A3	A3	HARVEST	HARVEST
Description					SPAD502		SPAD502	SPAD502		
ARM Action Codes										
Number of Decimals										
Data Entry Date					Sep-12-2023	Sep-12-2023	Sep-12-2023	Sep-12-2023	Sep-12-2023	Sep-12-2023
Footnote Number						1			1	
1	Form B	1000	kg/ha	A	28,05-	3,88-	28,30ab	35,28-	14,4-	1557,5-
	PLEIN									
	NONE									
2	Form B	1000	kg/ha	A	27,65-	3,38-	27,18ab	35,90-		
	PLEIN									
	PAILLIS									
3	Form B	1000	kg/ha	A	27,50-	3,63-	27,53ab	35,95-	15,9-	1612,5-
	LOC	500	kg/ha	A						
	NONE									
4	Form B	1000	kg/ha	A	27,45-	3,63-	28,48ab	36,05-		
	LOC	500	kg/ha	A						
	PAILLIS									
5	Form D	1000	kg/ha	A	28,03-	3,38-	28,85a	36,23-	13,8-	1333,3-
	PLEIN									
	NONE									
6	Form D	1000	kg/ha	A	28,10-	3,50-	26,83b	36,48-	12,6-	980,0-
	PLEIN									
	PAILLIS									
7	Form D	1000	kg/ha	A	28,93-	3,50-	27,20ab	35,80-	16,0-	1682,5-
	LOC	500	kg/ha	A						
	NONE									

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
* Adjusted means
^Calculated from residual.

FRAYSSINET

Influence of 007 fertilizer / biostimulant on the efficacy on yield improvement in vineyard. Field 2023

Trial ID:DEV-007 2023 TEST LOC SYRAH DB66
Protocol ID:DEV-007 2023 GRAPE FORM Location:FRANCE Trial Year:2023
Project ID:2023 DEV-007 INNOV Project ID 2: Project ID 3:
Study Director:Marie-Emmanuelle SAINT-MACARY Sponsor Contact:Marie-Emmanuelle SAINT-MACARY
Investigator:

Rating Date	May-30-2023	Jul-11-2023	Jul-11-2023	Jul-11-2023	Sep-7-2023	Sep-7-2023
SE Name	PROTOCOLE VI	protocole vi	PROTOCOLE VI	PROTOCOLE VI	PROTOCOLE VI	PROTOCOLE VI
SE Description	fertilisation ->	fertilisation ->	fertilisation ->	fertilisation ->		
Part Rated	LEAF2; C	PLANT; C	LEAF1; C	LEAF2; C	BUNCH; C	BUNCH; C
Rating Type	CHLCON	VIGOR	CHLCON	CHLCON	COUNT	WEIFRE
Rating Unit/Min/Max	INDEX; -; -	%; 0; 100	INDEX; -; -	INDEX; -; -	NUMBER; -; -	g; -; -
Sample Size	10 PLANT	1 PLOT	10 PLANT	10 PLANT	5 VINE	5 VINE
Collection Basis	1 PLOT		1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1	5	5
Crop Type, Code	C; VITVI	C; VITVI	C; VITVI	C; VITVI	C; VITVI	C; VITVI
BBCH Scale	BGRA	BGRA	BGRA	BGRA	BGRA	BGRA
Crop Scientific Name	Vitis vinifera	Vitis vinifera	Vitis vinifera	Vitis vinifera	Vitis vinifera	Vitis vinifera
Crop Name	European Grape	European Grape	European Grape	European Grape	European Grape	European Grape
Crop Stage Scale	BBCH	BBCH	BBCH	BBCH	BBCH	BBCH
Crop Stage Majority/Min/Max	65	77	77	77	89	89
Pest Type						
Pest Code						
Pest Scientific Name						
Pest Name						
Rating Timing	A3	A1	A3	A3	HARVEST	HARVEST
Description	SPAD502		SPAD502	SPAD502		
ARM Action Codes						
Number of Decimals						
Data Entry Date	Sep-12-2023	Sep-12-2023	Sep-12-2023	Sep-12-2023	Sep-12-2023	Sep-12-2023
Footnote Number		1			1	

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	1*	2*	3*	4*	5*	6*
8	Form D	1000	kg/ha	A	28,33-	3,50-	26,73b	35,55-	12,6-	1025,0-
	LOC	500	kg/ha	A						
	PAILLIS									

LSD P=.05	1,649	0,492	1,145	0,898	4,36	733,34
Standard Deviation	1,121	0,335	0,779	0,611	2,89	486,57
CV	4,0	9,43	2,82	1,7	20,39	35,64
Grand Mean	28,003	3,547	27,634	35,903	14,18	1365,13
Bartlett's X2^	15,114*	7,888	16,345*	16,089*	3,927	5,246
P(Bartlett's X2)	0,035*	0,343	0,022*	0,024*	0,56	0,387
Rank X2	.	.	.	.	.	.
P(Rank X2)	.	.	.	.	.	.
Shapiro-Wilk^	0,9852	0,9578	0,9597	0,9012*	0,9848	0,9617
P(Shapiro-Wilk)^	0,9288	0,2395	0,2693	0,0067*	0,9657	0,4744
Skewness^	0,2841	0,0748	-0,0488	-0,6527	-0,0832	0,6473
P(Skewness)^	0,5173	0,8642	0,9111	0,1424	0,8696	0,2094
Kurtosis^	0,7361	-0,4718	0,7896	3,5621*	-0,5962	0,2468
P(Kurtosis)^	0,3914	0,5814	0,3583	0,0002*	0,5465	0,8022
Analyzed as	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F	1,255	0,256	0,135	1,750	0,362	0,926
Replicate Prob(F)	0,3152	0,8563	0,9380	0,1876	0,7817	0,4522
Treatment F	0,750	0,947	4,258	1,508	1,096	1,568
Treatment Prob(F)	0,6339	0,4929	0,0045	0,2186	0,4028	0,2288

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
* Adjusted means
^Calculated from residual.

FRAYSSINET

Influence of 007 fertilizer / biostimulant on the efficacy on yield improvement in vineyard. Field 2023

Trial ID:DEV-007 2023 TEST LOC SYRAH DB66
Protocol ID:DEV-007 2023 GRAPE FORM Location:FRANCE Trial Year:2023
Project ID:2023 DEV-007 INNOV Project ID 2: Project ID 3:
Study Director:Marie-Emmanuelle SAINT-MACARY Sponsor Contact:Marie-Emmanuelle SAINT-MACARY
Investigator:

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	7*	8*
Rating Date					Sep-7-2023	Sep-7-2023
SE Name					PROTOCOLE VI	PROTOCOLE VI
SE Description						
Part Rated					BUNCH; C	BUNCH; C
Rating Type					YIELD	YIELD
Rating Unit/Min/Max					T-MET; -; -	T-MET; -; -
Sample Size					1 ha	1 ha
Collection Basis						
Number of Subsamples					1	5
Crop Type, Code					C; VITVI	C; VITVI
BBCH Scale					BGRA	BGRA
Crop Scientific Name					Vitis vinifera	Vitis vinifera
Crop Name					European Grape	European Grape
Crop Stage Scale					BBCH	BBCH
Crop Stage Majority/Min/Max					89	89
Pest Type						
Pest Code						
Pest Scientific Name						
Pest Name						
Rating Timing					HARVEST	HARVEST
Description						
ARM Action Codes					TY2	TY1
Number of Decimals					3	3
Data Entry Date						
Footnote Number						
1	Form B PLEIN NONE	1000	kg/ha	A	6,230-	106,422-
2	Form B PLEIN PAILLIS	1000	kg/ha	A		
3	Form B LOC NONE	1000 500	kg/ha kg/ha	A A	6,450-	96,850-
4	Form B LOC PAILLIS	1000 500	kg/ha kg/ha	A A		
5	Form D PLEIN NONE	1000	kg/ha	A	5,333-	98,761-
6	Form D PLEIN PAILLIS	1000	kg/ha	A	3,920-	79,043-
7	Form D LOC NONE	1000 500	kg/ha kg/ha	A A	6,730-	103,484-

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
* Adjusted means
^Calculated from residual.

FRAYSSINET

Influence of 007 fertilizer / biostimulant on the efficacy on yield improvement in vineyard. Field 2023

Trial ID:DEV-007 2023 TEST LOC SYRAH DB66
Protocol ID:DEV-007 2023 GRAPE FORM Location:FRANCE Trial Year:2023
Project ID:2023 DEV-007 INNOV Project ID 2: Project ID 3:
Study Director:Marie-Emmanuelle SAINT-MACARY Sponsor Contact:Marie-Emmanuelle SAINT-MACARY
Investigator:

Rating Date				Sep-7-2023	Sep-7-2023
SE Name				PROTOCOLE VI	PROTOCOLE VI
SE Description					
Part Rated				BUNCH; C	BUNCH; C
Rating Type				YIELD	YIELD
Rating Unit/Min/Max				T-MET; -; -	T-MET; -; -
Sample Size				1 ha	1 ha
Collection Basis					
Number of Subsamples				1	5
Crop Type, Code				C; VITVI	C; VITVI
BBCH Scale				BGRA	BGRA
Crop Scientific Name				Vitis vinifera	Vitis vinifera
Crop Name				European Grape	European Grape
Crop Stage Scale				BBCH	BBCH
Crop Stage Majority/Min/Max				89	89
Pest Type					
Pest Code					
Pest Scientific Name					
Pest Name					
Rating Timing				HARVEST	HARVEST
Description					
ARM Action Codes				TY2	TY1
Number of Decimals				3	3
Data Entry Date					
Footnote Number					
Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	7*	8*
8	Form D	1000	kg/ha	A	4,100-	73,390-
	LOC PAILLIS	500	kg/ha	A		
LSD P=.05					2,9334	22,6250
Standard Deviation					1,9463	15,0116
CV					35,64	16,14
Grand Mean					5,4605	92,9916
Bartlett's X2^					5,246	1,523
P(Bartlett's X2)					0,387	0,91
Rank X2					.	.
P(Rank X2)					.	.
Shapiro-Wilk^					0,9617	0,955
P(Shapiro-Wilk)^					0,4744	0,3461
Skewness^					0,6473	0,1406
P(Skewness)^					0,2094	0,7816
Kurtosis^					0,2468	-1,1483
P(Kurtosis)^					0,8022	0,2505
Analyzed as					RCB	RCB
Replicate F					0,926	5,159
Replicate Prob(F)					0,4522	0,0120
Treatment F					1,568	3,257
Treatment Prob(F)					0,2288	0,0345

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
* Adjusted means
^Calculated from residual.

FRAYSSINET

Influence of 007 fertilizer / biostimulant on the efficacy on yield improvement in vineyard. Field 2023

Trial ID:DEV-007 2023 TEST LOC SYRAH DB66
Protocol ID:DEV-007 2023 GRAPE FORM Location:FRANCE Trial Year:2023
Project ID:2023 DEV-007 INNOV Project ID 2: Project ID 3:
Study Director:Marie-Emmanuelle SAINT-MACARY Sponsor Contact:Marie-Emmanuelle SAINT-MACARY
Investigator:

Part Rated
LEAF2 = leaf 2
PLANT = plant
LEAF1 = leaf 1
BUNCH = bunch
C = Crop is Part Rated

Rating Type
CHLCON = chlorophyll content
VIGOR = vigor
COUNT = count
WEIFRE = weight - fresh
YIELD = yield

Rating Unit/Min/Max
INDEX, , = index
%, 0, 100 = percent
NUMBER, , = number
g, , = gram
T-MET, , = ton (metric=1000 kg)

PLANT = plant/plant biomass/shrub
PLOT = total plot
VINE = vine
ha = hectare

PLOT = total plot

Crop Type, Code
C = EPPO species (Bayer) codes
VITVI, BGRA, Vitis vinifera, European Grape = US

Crop Stage Scale
BBCH = BBCH uniform plant stages

Crop Stage Majority/Min/Max
65 = Full flowering: 50% of flowerhoods fallen
77 = Berries beginning to touch
89 = Berries ripe for harvest

Rating Timing
A3 = 3rd Assessment According to Trial Schedule
A1 = 1st Assessment According to Trial Schedule

ARM Action Codes
TY2 = 0.004*[6]
TY1 = [6]/[5]

Footnote 1: Visual Phytotoxicity %

FRAYSSINET

Influence of 007 fertilizer / biostimulant on the efficacy on yield improvement in vineyard. Field 2023

Trial ID:DEV-007 2023 TEST LOC SYRAH DB66
Protocol ID:DEV-007 2023 GRAPE FORM Location:FRANCE Trial Year:2023
Project ID:2023 DEV-007 INNOV Project ID 2: Project ID 3:
Study Director:Marie-Emmanuelle SAINT-MACARY Sponsor Contact:Marie-Emmanuelle SAINT-MACARY
Investigator:

Rating Date					May-30-2023	Jul-11-2023	Jul-11-2023	Jul-11-2023	Sep-7-2023
SE Name					PROTOCOLE VI	protocole vi	PROTOCOLE VI	PROTOCOLE VI	PROTOCOLE VI
SE Description					fertilisation ->	fertilisation ->	fertilisation ->	fertilisation ->	
Part Rated					LEAF2; C	PLANT; C	LEAF1; C	LEAF2; C	BUNCH; C
Rating Type					CHLCON	VIGOR	CHLCON	CHLCON	COUNT
Rating Unit/Min/Max					INDEX; -; -	%; 0; 100	INDEX; -; -	INDEX; -; -	NUMBER; -; -
Sample Size					10 PLANT	1 PLOT	10 PLANT	10 PLANT	5 VINE
Collection Basis					1 PLOT		1 PLOT	1 PLOT	
Number of Subsamples					1	1	1	1	5
Crop Type, Code					C; VITVI	C; VITVI	C; VITVI	C; VITVI	C; VITVI
BBCH Scale					BGRA	BGRA	BGRA	BGRA	BGRA
Crop Scientific Name					Vitis vinifera	Vitis vinifera	Vitis vinifera	Vitis vinifera	Vitis vinifera
Crop Name					European Grape	European Grape	European Grape	European Grape	European Grape
Crop Stage Scale					BBCH	BBCH	BBCH	BBCH	BBCH
Crop Stage Majority/Min/Max					65	77	77	77	89
Pest Type									
Pest Code									
Pest Scientific Name									
Pest Name									
Rating Timing					A3	A1	A3	A3	HARVEST
Description					SPAD502		SPAD502	SPAD502	
ARM Action Codes									
Number of Decimals									
Data Entry Date					Sep-12-2023	Sep-12-2023	Sep-12-2023	Sep-12-2023	Sep-12-2023
Footnote Number						1			1
Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Plot	1	2	3	4	5
1	Form B	1000	kg/ha	A	107	27,20	3,50	28,50	35,30	18,4
	PLEIN				207	28,50	4,00	28,30	35,40	10,2
	NONE				307	28,50	4,00	28,20	35,30	14,6
					407	28,00	4,00	28,20	35,10	14,2
					Mean =	28,05	3,88	28,30	35,28	14,4
2	Form B	1000	kg/ha	A	106	28,50	3,00	26,10	35,40	
	PLEIN				206	28,50	3,50	27,40	36,20	
	PAILLIS				306	26,80	3,00	27,30	35,90	
					406	26,80	4,00	27,90	36,10	
					Mean =	27,65	3,38	27,18	35,90	.
3	Form B	1000	kg/ha	A	108	28,50	3,50	29,20	35,20	13,2
	LOC	500	kg/ha	A	208	27,20	3,50	27,00	36,30	18,0
	NONE				308	26,60	4,00	27,80	36,30	17,8
					408	27,70	3,50	26,10	36,00	14,6
					Mean =	27,50	3,63	27,53	35,95	15,9
4	Form B	1000	kg/ha	A	105	28,00	4,00	28,30	37,10	
	LOC	500	kg/ha	A	205	27,60	3,50	28,70	36,10	
	PAILLIS				305	26,90	3,50	28,70	36,70	
					405	27,30	3,50	28,20	34,30	
					Mean =	27,45	3,63	28,48	36,05	.
5	Form D	1000	kg/ha	A	102	27,00	3,50	29,90	35,60	9,8
	PLEIN				202	30,20	3,50	28,80	36,70	17,4
	NONE				302	27,50	3,50	27,80	36,70	12,0
					402	27,40	3,00	28,90	35,90	15,8
					Mean =	28,03	3,38	28,85	36,23	13,8
6	Form D	1000	kg/ha	A	103	26,70	3,50	27,20	36,00	13,2
	PLEIN				203	27,20	3,50	26,70	36,50	12,0
	PAILLIS				303	30,20	3,50	26,40	36,90	14,6
					403	28,30	3,50	27,00	36,50	10,6
					Mean =	28,10	3,50	26,83	36,48	12,6
7	Form D	1000	kg/ha	A	101	30,10	4,00	26,80	34,60	14,6
	LOC	500	kg/ha	A	201	30,60	3,50	28,00	36,20	16,2
	NONE				301	26,60	3,00	26,80	36,20	20,0
					401	28,40	3,50	27,20	36,20	13,0
					Mean =	28,93	3,50	27,20	35,80	16,0
8	Form D	1000	kg/ha	A	104	28,40	3,50	25,50	35,50	14,4
	LOC	500	kg/ha	A	204	29,10	3,00	27,10	36,00	14,0
	PAILLIS				304	28,00	3,50	27,50	34,90	10,2
					404	27,80	4,00	26,80	35,80	11,6
					Mean =	28,33	3,50	26,73	35,55	12,6

FRAYSSINET

Influence of 007 fertilizer / biostimulant on the efficacy on yield improvement in vineyard. Field 2023

Trial ID:DEV-007 2023 TEST LOC SYRAH DB66
Protocol ID:DEV-007 2023 GRAPE FORM Location:FRANCE Trial Year:2023
Project ID:2023 DEV-007 INNOV Project ID 2: Project ID 3:
Study Director:Marie-Emmanuelle SAINT-MACARY Sponsor Contact:Marie-Emmanuelle SAINT-MACARY
Investigator:

Rating Date						Sep-7-2023	Sep-7-2023	Sep-7-2023
SE Name						PROTOCOLE VI	PROTOCOLE VI	PROTOCOLE VI
SE Description								
Part Rated						BUNCH; C	BUNCH; C	BUNCH; C
Rating Type						WEIFRE	YIELD	YIELD
Rating Unit/Min/Max						g; -; -	T-MET; -; -	T-MET; -; -
Sample Size						5 VINE	1 ha	1 ha
Collection Basis								
Number of Subsamples						5	1	5
Crop Type, Code						C; VITVI	C; VITVI	C; VITVI
BBCH Scale						BGRA	BGRA	BGRA
Crop Scientific Name						Vitis vinifera	Vitis vinifera	Vitis vinifera
Crop Name						European Grape	European Grape	European Grape
Crop Stage Scale						BBCH	BBCH	BBCH
Crop Stage Majority/Min/Max						89	89	89
Pest Type								
Pest Code								
Pest Scientific Name								
Pest Name								
Rating Timing						HARVEST	HARVEST	HARVEST
Description								
ARM Action Codes							TY2	TY1
Number of Decimals							3	3
Data Entry Date						Sep-12-2023		
Footnote Number								
Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Plot	6	7	8
1	Form B	1000	kg/ha	A	107	2770,0	7,200	144,118
	PLEIN				207	980,0	7,200	99,716
	NONE				307	1300,0	5,800	95,588
					407	1180,0	7,400	86,266
					Mean =	1557,5	6,230	106,422
2	Form B	1000	kg/ha	A	106		.	
	PLEIN				206		.	
	PAILLIS				306		.	
					406		.	
					Mean =	.	.	.
3	Form B	1000	kg/ha	A	108	1440,0	12,000	99,557
	LOC	500	kg/ha	A	208	1960,0	11,800	110,310
	NONE				308	1910,0	9,000	105,648
					408	1140,0	9,600	71,883
					Mean =	1612,5	6,450	96,850
4	Form B	1000	kg/ha	A	105		.	
	LOC	500	kg/ha	A	205		.	
	PAILLIS				305		.	
					405		.	
					Mean =	.	.	.
5	Form D	1000	kg/ha	A	102	990,0	4,800	120,952
	PLEIN				202	1800,0	5,200	98,045
	NONE				302	980,0	7,400	75,200
					402	1563,0	4,200	100,846
					Mean =	1333,3	5,333	98,761
6	Form D	1000	kg/ha	A	103	1240,0	4,400	106,948
	PLEIN				203	800,0	4,000	67,165
	PAILLIS				303	1190,0	4,600	76,473
					403	690,0	3,800	65,587
					Mean =	980,0	3,920	79,043
7	Form D	1000	kg/ha	A	101	1850,0	7,480	126,809
	LOC	500	kg/ha	A	201	1490,0	9,600	89,620
	NONE				301	2250,0	19,000	110,181
					401	1140,0	7,000	87,326
					Mean =	1682,5	6,730	103,484
8	Form D	1000	kg/ha	A	104	1150,0	11,800	74,396
	LOC	500	kg/ha	A	204	1380,0	13,600	95,325
	PAILLIS				304	620,0	5,000	57,349
					404	950,0	12,000	66,488
					Mean =	1025,0	4,100	73,390

FRAYSSINET

Influence of 007 fertilizer / biostimulant on the efficacy on yield improvement in vineyard. Field 2023

Trial ID:DEV-007 2023 TEST LOC SYRAH DB66
Protocol ID:DEV-007 2023 GRAPE FORM Location:FRANCE Trial Year:2023
Project ID:2023 DEV-007 INNOV Project ID 2: Project ID 3:
Study Director:Marie-Emmanuelle SAINT-MACARY Sponsor Contact:Marie-Emmanuelle SAINT-MACARY
Investigator:

Part Rated
LEAF2 = leaf 2
PLANT = plant
LEAF1 = leaf 1
BUNCH = bunch
C = Crop is Part Rated

Rating Type
CHLCON = chlorophyll content
VIGOR = vigor
COUNT = count
WEIFRE = weight - fresh
YIELD = yield

Rating Unit/Min/Max
INDEX, , = index
%, 0, 100 = percent
NUMBER, , = number
g, , = gram
T-MET, , = ton (metric=1000 kg)

PLANT = plant/plant biomass/shrub
PLOT = total plot
VINE = vine
ha = hectare

PLOT = total plot

Crop Type, Code
C = EPPO species (Bayer) codes
VITVI, BGRA, Vitis vinifera, European Grape = US

Crop Stage Scale
BBCH = BBCH uniform plant stages

Crop Stage Majority/Min/Max
65 = Full flowering: 50% of flowerhoods fallen
77 = Berries beginning to touch
89 = Berries ripe for harvest

Rating Timing
A3 = 3rd Assessment According to Trial Schedule
A1 = 1st Assessment According to Trial Schedule

ARM Action Codes
TY2 = 0.004*[6]
TY1 = [6]/[5]

Footnote 1: Visual Phytotoxicity %