

<b>Juice Grapes - Desirable Traits for grapevine genetic improvement If a desirable trait is not listed, please add/ rate it in the blank fields, below</b>		5 = very important, 1 = not important
<b>Your Name and/or State/Region:</b>		WA; n=1
High yield		5
Consistent yield		5
Resistant/tolerant to powdery mildew		5
Fruit with improved acid/sugar balance		5
High soluble solids content		5
Resistant/tolerant to frost and cold		4
Resistant/tolerant to downy mildew		4
Resistant/tolerant to wood cankers		4
Uniform ripening		4
Red flesh (Concords)		4
Resistant/tolerant to drought		3
Resistant/tolerant to excess moisture		3
Resistant/tolerant to salt		3
Resistant/tolerant to black rot		3
Resistant/tolerant to Botrytis bunch rot		3
Resistant/tolerant to nematodes		3
Ripen in a particular harvest window (eg., early, midseason, late season)		3
Delay budbreak (vine de-acclimatization mechanism) for frost avoidance		2
Resistant/tolerant to heat		2
Resistant/tolerant to mealybugs		2
Resistant/tolerant to fanleaf virus		1
Resistant/tolerant to leafroll virus		1
Resistant/tolerant to red blotch virus		1
Resistant/tolerant to Pierce's disease		1
Resistant/tolerant to mites (need to define which species)		1
Resistant/tolerant to Phylloxera		1
Resistant/tolerant to herbicide drift		1
Facilitate the use of mechanized harvesting		1
Looser grape clusters		1

<b>Raisin Grapes - Desirable traits for grapevine genetic improvement. <i>If a desirable trait is not listed, please add and rate it in the blank fields, below.</i></b>		5 = very important, 1 = not important
<b>Your Name and/or State/Region:</b>		CA; n=1
High yield		5
Consistent yield		5
Resistant/tolerant to drought		5
Resistant/tolerant to salt		5
Resistant/tolerant to powdery mildew		5
Resistant/tolerant to mealybugs		5
Resistant/tolerant to mites (need to define which species) <b>Spider mites</b>		5
Resistant/tolerant to nematodes		5
Facilitate the use of mechanized harvesting		5
Uniform ripening		5
Looser grape clusters		5
Ripen in a particular harvest window (eg., early, midseason, late season)		5
High soluble solids content		5
Retains original color when dry (red, green, purple)		5
Spur pruned/fruitful in lower bud positions		5
Dries without cutting canes		5
Resistant/tolerant to heat		4
Delay budbreak (vine de-acclimatization mechanism) for frost avoidance		3
Resistant/tolerant to frost and cold		3
Resistant/tolerant to wood cankers		3
Resistant/tolerant to Botrytis bunch rot		3
Resistant/tolerant to Pierce's Disease		3
Resistant/tolerant to Phylloxera		3
Resistant/tolerant to excess moisture		1
Resistant/tolerant to downy mildew		1
Resistant/tolerant to black rot		1
Resistant/tolerant to fanleaf virus		1
Resistant/tolerant to leafroll virus		1
Resistant/tolerant to red blotch virus		1
Resistant/tolerant to herbicide drift		1
Fruit with improved acid/sugar balance		1

Write in: Resistant/tolerant rating assumes we maintain good traits we already have.

<b>Table Grapes - Desirable traits for grapevine genetic improvement. <i>If a desirable trait is not listed, please add and rate it in the blank fields, below.</i></b>	5 = very important, 1 = not important
<b>Your Name and/or State/Region:</b>	CA; n=5
Berry firmness	5
Ripen in a particular harvest window (eg., early, mid-season, late season)	4.8
Resistant to berry discoloration (e.g., skin bruising, internal browning)	4.75
High yield	4.6
Consistent yield	4.6
Uniform and consistent color	4.6
Uniform ripening	4.6
Resistant/tolerant to Botrytis bunch rot	4.5
Resistant/tolerant to mealybugs	4.5
Crispy berry texture	4.4
Uniform berry shape and size	4.4
Facilitate mechanized pruning/canopy management	4.4
Facilitate mechanized harvesting	4.4
Resistant/tolerant to powdery mildew	4.2
Resistant/tolerant to nematodes	4.2
Looser grape clusters	4
Skin thickness (thin)	4
Flavor (e.g., fruity, neutral, Muscat)	4
Maintain green rachis during storage	4
Resistant/tolerant to heat	4
Naturally large berry size	3.8
Resistant/tolerant to postharvest gray mold	3.6
Good berry stem attachment	3.4
Fruit with improved acid/sugar balance	3.4
Resistant/tolerant to drought	3.4
Resistant/tolerant to wood cankers	3.4
Resistant/tolerant to mites (spider mites)	3.4
No gibberellin sensitivity	3.2
Juiciness	3
Resistant/tolerant to Phylloxera	3
Resistant/tolerant to excess moisture	2.8
Resistant/tolerant to Pierce's disease	2.8
Resistant/tolerant to leafroll virus	2.8
Berry shape (e.g., oval, round)	2.6
Resistant/tolerant to salt	2.6
Resistant/tolerant to red blotch virus	2.4
Resistant/tolerant to black rot	2.2
Resistant/tolerant to fanleaf virus	2.2
Delay bud-break (vine de-acclimatization mechanism) for frost avoidance	2
Resistant/tolerant to frost and cold	2
Resistant/tolerant to downy mildew	2
Resistant/tolerant to herbicide drift	2
Write in: Spur pruned/Fruitful in lower bud positions	5
Write in: Canopy density (not too dense, less leafing needed)	4
Write in: No girdling needed	5
Write in: Even Spur positions	

Winegrapes - Desirable traits for grapevine genetic improvement. If a desirable trait is not listed, please add and rate it in the blank fields, below.		5 = very important, 1 = not important							
Your Name and/or State/Region:	CA; n=14	WA; n=7	Midwest Region; n=4	NY (Finger Lakes); n=1	TX (High Plains); n=1	VA; n=2	Anonymous-Unknown Region; n=2	Mean of all totals - RANKED	
Resistant/tolerant to powdery mildew	4.56	4.86	4.5	5	4	5	5	4.70	
Consistent yield	3.72	3.29	4.5	5	5	4	4.5	4.29	
Facilitate the use of mechanized harvesting	4.08	2.71	3	4	5	4	5	3.97	
Resistant/tolerant to downy mildew	2.28	3.29	5	5	4	5	3	3.94	
Resistant/tolerant to Pierce's Disease	3.45	3.14	3.5	4	5	5	2.5	3.80	
Resistant/tolerant to drought	4.22	3.71	3.5	4	5	2	3.5	3.70	
Delay budbreak (vine de-acclimatization mechanism) for frost avoidance	2.72	3	3.5	5	5	2.5	4	3.67	
Resistant/tolerant to leafroll virus	4.97	4.86	4	4	1	3.5	3	3.62	
Resistant/tolerant to Botrytis bunch rot	3.17	4.14	3	5	2	4.5	3.5	3.62	
Resistant/tolerant to red blotch virus	4.47	4.57	3.5	4	1	5	2.5	3.58	
Resistant/tolerant to wood cankers	4.42	3	4.5	3	2	4.5	3.5	3.56	
Resistant/tolerant to black rot	2.89	2.43	4	5	2	4.5	3.5	3.47	
Looser grape clusters	3.56	2.71	3	4	3	5	3	3.47	
Resistant/tolerant to frost and cold	2.81	3.43	4.5	3	5	3	2.5	3.46	
Uniform ripening	4.03	4	4	4	3	2	3	3.43	
Resistant/tolerant to mealybugs	3.86	4.14	3	4	4	2	3	3.43	
Red wine – strong red coloration	3.25	3.14	4	3	4	3	3.5	3.41	
Fruit with improved acid/sugar balance	3.31	1.57	4.5	3	4	3	4	3.34	
Resistant/tolerant to nematodes	2.89	4	4	2	4.5	2	3.5	3.27	
Resistant/tolerant to heat (e.g., leaf scorch, fruit sunburn, hot environmental conditions, etc.)	3.75	3.57	3	3	4	2	3.5	3.26	
Resistant/tolerant to fanleaf virus	3.89	4.14	3	4	1	3.5	3	3.22	
Resistant to shatter	3.45	2.43	3	4	4	2	3	3.13	
Red wine – fruity	3.03	2.43	4.5	3	4	1.5	3	3.07	
White wine – aromatic or Muscat	2.7	2.29	3	3	4	1.5	4.5	3.00	
White wine – fruity	2.7	2.57	3	4	4	1.5	3	2.97	
Resistant/tolerant to Phylloxera	3.28	3.86	4	3	1	3	2.5	2.95	
Red wine – high tannin	2.7	2.29	4.5	3	3	1.5	3	2.86	
Resistant/tolerant to herbicide drift	1.81	1.71	3	3	5	3.5	1.5	2.79	
High yield	3.42	1.43	2	2	3	2.5	5	2.76	
Resistant/tolerant to mites (need to define which species)	2.92	3.43	2.5	3	3	2	2.5	2.76	
Ripen in a particular harvest window (e.g., early, midseason, late season)	2.46	2	2.5	3	3	3	3	2.71	
Resistant/tolerant to soil alkalinity/acidity	2.67	3.29	2	2	4	1.5	3	2.64	
Resistant/tolerant to salt (e.g., sodium, chloride, calcium carbonate, etc.)	3.2	3.71	1.5	2	4	2.5	1.5	2.63	
Red wine – peppery	2.36	2.43	3	3	4	0.5	2.5	2.54	
Resistant/tolerant to excess moisture	2.2	1.86	2	4	1	4.5	2	2.51	
Resistant to berry shrivel (e.g., Sugar Accumulation Disorder, bunchstem necrosis, waterberry)	2.47	3.43	2	3	3	1.5	2	2.49	
Resistant/tolerant to nutrient imbalance (e.g., calcium, magnesium, iron, boron, etc.)	2.86	2.71	2	3	3	2	1.5	2.44	
White wine – neutral	1.83	1.29	1.5	3	4	0.5	2.5	2.09	
Resistant/tolerant to heavy metals toxicity (aluminum, arsenic, selenium, etc.)	2.08	2.14	1.5	3	3	0.5	1.5	1.96	
White wine – grassy/green	2.17	1.57	2.5	2	1	0.5	2.5	1.75	
Resistant/tolerant to environmental taints	1.92	2	1.5	3	1	0.5	1.5	1.63	
Write in: Able to withstand hail					5				

Winegrapes - Desirable traits for grapevine genetic improvement. <i>If a desirable trait is not listed, please add and rate it in the blank fields, below.</i>		5 = very important, 1 = not important
<b>Your Name and/or State/Region:</b>		CA; n=14
Resistant/tolerant to leafroll virus		4.97
Resistant/tolerant to powdery mildew		4.56
Resistant/tolerant to red blotch virus		4.47
Resistant/tolerant to wood cankers		4.42
Resistant/tolerant to drought		4.22
Facilitate the use of mechanized harvesting		4.08
Uniform ripening		4.03
Resistant/tolerant to fanleaf virus		3.89
Resistant/tolerant to mealybugs		3.86
Resistant/tolerant to heat (e.g., leaf scorch, fruit sunburn, hot environmental conditions, etc.)		3.75
Consistent yield		3.72
Looser grape clusters		3.56
Resistant/tolerant to Pierce's Disease		3.45
Resistant to shatter		3.45
High yield		3.42
Fruit with improved acid/sugar balance		3.31
Resistant/tolerant to Phylloxera		3.28
Red wine – strong red coloration		3.25
Resistant/tolerant to salt (e.g., sodium, chloride, calcium carbonate, etc.)		3.2
Resistant/tolerant to Botrytis bunch rot		3.17
Red wine – fruity		3.03
Resistant/tolerant to mites (need to define which species)		2.92
Resistant/tolerant to black rot		2.89
Resistant/tolerant to nematodes		2.89
Resistant/tolerant to nutrient imbalance (e.g., calcium, magnesium, iron, boron, etc.)		2.86
Resistant/tolerant to frost and cold		2.81
Delay budbreak (vine de-acclimatization mechanism) for frost avoidance		2.72
Red wine – high tannin		2.7
White wine – aromatic or Muscat		2.7
White wine – fruity		2.7
Resistant/tolerant to soil alkalinity/acidity		2.67
Resistant to berry shrivel (e.g., Sugar Accumulation Disorder, bunchstem necrosis, waterberry)		2.47
Ripen in a particular harvest window (e.g., early, midseason, late season)		2.46
Red wine – peppery		2.36
Resistant/tolerant to downy mildew		2.28
Resistant/tolerant to excess moisture		2.2
White wine – grassy/green		2.17
Resistant/tolerant to heavy metals toxicity (aluminum, arsenic, selenium, etc.)		2.08
Resistant/tolerant to environmental taints		1.92
White wine – neutral		1.83
Resistant/tolerant to herbicide drift		1.81

Winegrapes - Desirable traits for grapevine genetic improvement. <i>If a desirable trait is not listed, please add and rate it in the blank fields, below.</i>		5 = very important, 1 = not important
<b>Your Name and/or State/Region:</b>		WA; n=7
Resistant/tolerant to leafroll virus		4.86
Resistant/tolerant to powdery mildew		4.86
Resistant/tolerant to red blotch virus		4.57
Resistant/tolerant to Botrytis bunch rot		4.14
Resistant/tolerant to fanleaf virus		4.14
Resistant/tolerant to mealybugs		4.14
Resistant/tolerant to nematodes		4
Uniform ripening		4
Resistant/tolerant to Phylloxera		3.86
Resistant/tolerant to drought		3.71
Resistant/tolerant to salt (e.g., sodium, chloride, calcium carbonate, etc.)		3.71
Resistant/tolerant to heat (e.g., leaf scorch, fruit sunburn, hot environmental conditions, etc.)		3.57
Resistant/tolerant to frost and cold		3.43
Resistant/tolerant to mites (need to define which species)		3.43
Resistant to berry shrivel (e.g., Sugar Accumulation Disorder, bunchstem necrosis, waterberry)		3.43
Consistent yield		3.29
Resistant/tolerant to soil alkalinity/acidity		3.29
Resistant/tolerant to downy mildew		3.29
Resistant/tolerant to Pierce's Disease		3.14
Red wine – strong red coloration		3.14
Delay budbreak (vine de-acclimatization mechanism) for frost avoidance		3
Resistant/tolerant to wood cankers		3
Resistant/tolerant to nutrient imbalance (e.g., calcium, magnesium, iron, boron, etc.)		2.71
Facilitate the use of mechanized harvesting		2.71
Looser grape clusters		2.71
White wine – fruity		2.57
Resistant/tolerant to black rot		2.43
Resistant to shatter		2.43
Red wine – fruity		2.43
Red wine – peppery		2.43
Red wine – high tannin		2.29
White wine – aromatic or Muscat		2.29
Resistant/tolerant to heavy metals toxicity (aluminum, arsenic, selenium, etc.)		2.14
Resistant/tolerant to environmental taints		2
Ripen in a particular harvest window (e.g., early, midseason, late season)		2
Resistant/tolerant to excess moisture		1.86
Resistant/tolerant to herbicide drift		1.71
Fruit with improved acid/sugar balance		1.57
White wine – grassy/green		1.57
High yield		1.43
White wine – neutral		1.29

Winegrapes - Desirable traits for grapevine genetic improvement. <i>If a desirable trait is not listed, please add and rate it in the blank fields, below.</i>	5 = very important, 1 = not important
<b>Your Name and/or State/Region:</b>	Midwest Region; n=4
Resistant/tolerant to downy mildew	5
Consistent yield	4.5
Resistant/tolerant to frost and cold	4.5
Resistant/tolerant to wood cankers	4.5
Resistant/tolerant to powdery mildew	4.5
Fruit with improved acid/sugar balance	4.5
Red wine – high tannin	4.5
Red wine – fruity	4.5
Resistant/tolerant to black rot	4
Resistant/tolerant to leafroll virus	4
Resistant/tolerant to Phylloxera	4
Resistant/tolerant to nematodes	4
Uniform ripening	4
Red wine – strong red coloration	4
Delay budbreak (vine de-acclimatization mechanism) for frost avoidance	3.5
Resistant/tolerant to drought	3.5
Resistant/tolerant to red blotch virus	3.5
Resistant/tolerant to Pierce's Disease	3.5
Resistant/tolerant to heat (e.g., leaf scorch, fruit sunburn, hot environmental conditions, etc.)	3
Resistant/tolerant to Botrytis bunch rot	3
Resistant/tolerant to fanleaf virus	3
Resistant/tolerant to mealybugs	3
Resistant/tolerant to herbicide drift	3
Facilitate the use of mechanized harvesting	3
Looser grape clusters	3
Resistant to shatter	3
Red wine – peppery	3
White wine – aromatic or Muscat	3
White wine – fruity	3
Resistant/tolerant to mites (need to define which species)	2.5
Ripen in a particular harvest window (e.g., early, midseason, late season)	2.5
White wine – grassy/green	2.5
High yield	2
Resistant/tolerant to excess moisture	2
Resistant/tolerant to nutrient imbalance (e.g., calcium, magnesium, iron, boron, etc.)	2
Resistant/tolerant to soil alkalinity/acidity	2
Resistant to berry shrivel (e.g., Sugar Accumulation Disorder, bunchstem necrosis, waterberry)	2
Resistant/tolerant to salt (e.g., sodium, chloride, calcium carbonate, etc.)	1.5
Resistant/tolerant to heavy metals toxicity (aluminum, arsenic, selenium, etc.)	1.5
Resistant/tolerant to environmental taints	1.5
White wine – neutral	1.5

Winegrapes - Desirable traits for grapevine genetic improvement. <i>If a desirable trait is not listed, please add and rate it in the blank fields, below.</i>		5 = very important, 1 = not important
<b>Your Name and/or State/Region:</b>		NY (Finger Lakes); n=1
Consistent yield		5
Delay budbreak (vine de-acclimatization mechanism) for frost avoidance		5
Resistant/tolerant to downy mildew		5
Resistant/tolerant to black rot		5
Resistant/tolerant to Botrytis bunch rot		5
Resistant/tolerant to powdery mildew		5
Resistant/tolerant to drought		4
Resistant/tolerant to excess moisture		4
Resistant/tolerant to fanleaf virus		4
Resistant/tolerant to leafroll virus		4
Resistant/tolerant to red blotch virus		4
Resistant/tolerant to Pierce's Disease		4
Resistant/tolerant to mealybugs		4
Facilitate the use of mechanized harvesting		4
Uniform ripening		4
Looser grape clusters		4
Resistant to shatter		4
White wine – fruity		4
Resistant/tolerant to frost and cold		3
Resistant/tolerant to heat (e.g., leaf scorch, fruit sunburn, hot environmental conditions, etc.)		3
Resistant/tolerant to nutrient imbalance (e.g., calcium, magnesium, iron, boron, etc.)		3
Resistant/tolerant to heavy metals toxicity (aluminum, arsenic, selenium, etc.)		3
Resistant/tolerant to wood cankers		3
Resistant/tolerant to mites (need to define which species)		3
Resistant/tolerant to environmental taints		3
Resistant/tolerant to Phylloxera		3
Resistant/tolerant to herbicide drift		3
Resistant to berry shrivel (e.g., Sugar Accumulation Disorder, bunchstem necrosis, waterberry)		3
Fruit with improved acid/sugar balance		3
Ripen in a particular harvest window (e.g., early, midseason, late season)		3
Red wine – high tannin		3
Red wine – strong red coloration		3
Red wine – fruity		3
Red wine – peppery		3
White wine – aromatic or Muscat		3
White wine – neutral		3
High yield		2
Resistant/tolerant to salt (e.g., sodium, chloride, calcium carbonate, etc.)		2
Resistant/tolerant to soil alkalinity/acidity		2
Resistant/tolerant to nematodes		2
White wine – grassy/green		2



Winegrapes - Desirable traits for grapevine genetic improvement. <i>If a desirable trait is not listed, please add and rate it in the blank fields, below.</i>		5 = very important, 1 = not important
<b>Your Name and/or State/Region:</b>		TX (High Plains); n=1
Consistent yield		5
Delay budbreak (vine de-acclimatization mechanism) for frost avoidance		5
Resistant/tolerant to frost and cold		5
Resistant/tolerant to drought		5
Resistant/tolerant to Pierce's Disease		5
Resistant/tolerant to herbicide drift		5
Facilitate the use of mechanized harvesting		5
Resistant/tolerant to nematodes		4,5
Resistant/tolerant to heat (e.g., leaf scorch, fruit sunburn, hot environmental conditions, etc.)		4
Resistant/tolerant to salt (e.g., sodium, chloride, calcium carbonate, etc.)		4
Resistant/tolerant to soil alkalinity/acidity		4
Resistant/tolerant to downy mildew		4
Resistant/tolerant to powdery mildew		4
Resistant/tolerant to mealybugs		4
Resistant to shatter		4
Fruit with improved acid/sugar balance		4
Red wine – strong red coloration		4
Red wine – fruity		4
Red wine – peppery		4
White wine – aromatic or Muscat		4
White wine – fruity		4
White wine – neutral		4
High yield		3
Resistant/tolerant to nutrient imbalance (e.g., calcium, magnesium, iron, boron, etc.)		3
Resistant/tolerant to heavy metals toxicity (aluminum, arsenic, selenium, etc.)		3
Resistant/tolerant to mites (need to define which species)		3
Uniform ripening		3
Looser grape clusters		3
Resistant to berry shrivel (e.g., Sugar Accumulation Disorder, bunchstem necrosis, waterberry)		3
Ripen in a particular harvest window (e.g., early, midseason, late season)		3
Red wine – high tannin		3
Resistant/tolerant to wood cankers		2
Resistant/tolerant to black rot		2
Resistant/tolerant to Botrytis bunch rot		2
Resistant/tolerant to excess moisture		1
Resistant/tolerant to fanleaf virus		1
Resistant/tolerant to leafroll virus		1
Resistant/tolerant to red blotch virus		1
Resistant/tolerant to environmental taints		1
Resistant/tolerant to Phylloxera		1
White wine – grassy/green		1
Write in: Able to withstand hail		5

Winegrapes - Desirable traits for grapevine genetic improvement. <i>If a desirable trait is not listed, please add and rate it in the blank fields, below.</i>	5 = very important, 1 = not important
<b>Your Name and/or State/Region:</b>	VA; n=2
Resistant/tolerant to downy mildew	5
Resistant/tolerant to red blotch virus	5
Resistant/tolerant to powdery mildew	5
Resistant/tolerant to Pierce's Disease	5
Looser grape clusters	5
Resistant/tolerant to excess moisture	4.5
Resistant/tolerant to wood cankers	4.5
Resistant/tolerant to black rot	4.5
Resistant/tolerant to Botrytis bunch rot	4.5
Consistent yield	4
Facilitate the use of mechanized harvesting	4
Resistant/tolerant to fanleaf virus	3.5
Resistant/tolerant to leafroll virus	3.5
Resistant/tolerant to herbicide drift	3.5
Resistant/tolerant to frost and cold	3
Resistant/tolerant to Phylloxera	3
Fruit with improved acid/sugar balance	3
Ripen in a particular harvest window (e.g., early, midseason, late season)	3
Red wine – strong red coloration	3
High yield	2.5
Delay budbreak (vine de-acclimatization mechanism) for frost avoidance	2.5
Resistant/tolerant to salt (e.g., sodium, chloride, calcium carbonate, etc.)	2.5
Resistant/tolerant to heat (e.g., leaf scorch, fruit sunburn, hot environmental conditions, etc.)	2
Resistant/tolerant to drought	2
Resistant/tolerant to nutrient imbalance (e.g., calcium, magnesium, iron, boron, etc.)	2
Resistant/tolerant to mealybugs	2
Resistant/tolerant to mites (need to define which species)	2
Resistant/tolerant to nematodes	2
Uniform ripening	2
Resistant to shatter	2
Resistant/tolerant to soil alkalinity/acidity	1.5
Resistant to berry shrivel (e.g., Sugar Accumulation Disorder, bunchstem necrosis, waterberry)	1.5
Red wine – high tannin	1.5
Red wine – fruity	1.5
White wine – aromatic or Muscat	1.5
White wine – fruity	1.5
Resistant/tolerant to heavy metals toxicity (aluminum, arsenic, selenium, etc.)	0.5
Resistant/tolerant to environmental taints	0.5
Red wine – peppery	0.5
White wine – neutral	0.5
White wine – grassy/green	0.5

Winegrapes - Desirable traits for grapevine genetic improvement. <i>If a desirable trait is not listed, please add and rate it in the blank fields, below.</i>	5 = very important, 1 = not important
<b>Your Name and/or State/Region:</b>	Anonymous-Unknown Region; n=2
Resistant/tolerant to powdery mildew	5
Facilitate the use of mechanized harvesting	5
High yield	5
Consistent yield	4.5
White wine – aromatic or Muscat	4.5
Delay budbreak (vine de-acclimatization mechanism) for frost avoidance	4
Fruit with improved acid/sugar balance	4
Resistant/tolerant to drought	3.5
Resistant/tolerant to Botrytis bunch rot	3.5
Resistant/tolerant to wood cankers	3.5
Resistant/tolerant to black rot	3.5
Red wine – strong red coloration	3.5
Resistant/tolerant to nematodes	3.5
Resistant/tolerant to heat (e.g., leaf scorch, fruit sunburn, hot environmental conditions, etc.)	3.5
Resistant/tolerant to downy mildew	3
Resistant/tolerant to leafroll virus	3
Looser grape clusters	3
Uniform ripening	3
Resistant/tolerant to mealybugs	3
Resistant/tolerant to fanleaf virus	3
Resistant to shatter	3
Red wine – fruity	3
White wine – fruity	3
Red wine – high tannin	3
Ripen in a particular harvest window (e.g., early, midseason, late season)	3
Resistant/tolerant to soil alkalinity/acidity	3
Resistant/tolerant to Pierce's Disease	2.5
Resistant/tolerant to red blotch virus	2.5
Resistant/tolerant to frost and cold	2.5
Resistant/tolerant to Phylloxera	2.5
Resistant/tolerant to mites (need to define which species)	2.5
Red wine – peppery	2.5
White wine – neutral	2.5
White wine – grassy/green	2.5
Resistant/tolerant to excess moisture	2
Resistant to berry shrivel (e.g., Sugar Accumulation Disorder, bunchstem necrosis, waterberry)	2
Resistant/tolerant to herbicide drift	1.5
Resistant/tolerant to salt (e.g., sodium, chloride, calcium carbonate, etc.)	1.5
Resistant/tolerant to nutrient imbalance (e.g., calcium, magnesium, iron, boron, etc.)	1.5
Resistant/tolerant to heavy metals toxicity (aluminum, arsenic, selenium, etc.)	1.5
Resistant/tolerant to environmental taints	1.5