

LODI RULES PEAS 2.0 CALCULATION INSTRUCTIONS

NEW Pesticide Risk Model for 2023 certification year and beyond

Your **LODI RULES PEAS 2.0** Risk Score is calculated for the certification year, which runs from post-harvest of the previous year through harvest of the current year. It is calculated for each material applied to a vineyard block (as defined in your **LODI RULES** application) on a per-acre basis, and the summed score for all applied materials cannot exceed **225 points** as required to pass certification in **LODI RULES** Standard 6.33. Baits, adjuvants, stickers, spreaders, mating disruption, and EPA-exempt materials are excluded. PEAS Reports must be submitted to the auditor every year by October 31.

PEAS Score (pre-2023) = PEAS Points (points/unit) x application rate (unit/acre)

PEAS 2.0 Score = your rate adjusted points + base points
 = [(your appl rate – Min Rate in Column A) x Column C] + Column D

example using Abacus miticide:

Trade Name	US EPA Reg #	Active Ingredient(s)	Type	Appl Method	A		B	C	D
					Min Rate	Max Rate	Appl Rate Unit	Rate Adj Pts	Base Pts
Abacus	83100-4	Abamectin	I	Ground	8	16	floz/ac	0.74	8.09

To calculate **LODI RULES PEAS 2.0** Risk Points per treated acre for a single application:

1. Look up the material AND your application method (ground or drip) in the **LODI RULES PEAS 2.0 Risk Table**, available in Tab 7 of the **LODI RULES** Binder or at lodigrowers.com/standards. Be sure to check the EPA number to get the correct material. Change your application rate per acre to match the units in **Column B** if needed.

example: Abacus 83100-4 ground, application rate = 9.5 floz/acre

2. Record the **base points** per acre (**Column D**). If your application rate is equal to the Minimum Rate (**Column A**), your score for that material is calculated from **Column D** alone and you can skip to Step 5.

example: 8.09 base points; go to step 3 since your application rate (9.5 floz/acre) is higher than the Minimum Rate (8 floz/acre)

3. If your application rate is higher than the Minimum Rate (**Column A**), subtract the Minimum Rate (**Column A**) from your application rate. Then calculate **your rate adjusted points** per application as: (your application rate – A) X C.

example: (9.5 floz – 8 floz) X 0.74 = (1.5 floz) X 0.74 = 1.11 rate adjusted points

4. Add your rate adjusted points (if applicable) to the base points (**D**) to get your risk point score per acre. Round to two decimal places.

example: 1.11 + 8.09 = 9.20 points per acre

5. If strip/spot spraying, calculate the percentage of the vineyard that was treated and multiply this percentage by the total risk points from steps 1-4. Round to two decimal places.

example: Abacus was used on the vineyard edges (10% of the block) to reduce mites where there was a lot of dust. 9.20 x 10% = **0.92 points per treated acre**

To calculate your total **LODI RULES PEAS 2.0** score per acre for your **PEAS** Report:

Application Date*	Trade Name*	US EPA Reg #*	Appl Method*	My Appl Rate*	Appl Rate Units* (matching B)	Min Rate* (A)	My Appl Rate minus A*	Rate Adj Points* (C)	My Rate Adj Points	Base Pts* (D)	Risk Points*	% Block Treated*	Final Risk Points*
2/15/2023	ALION HERBICIDE	264-1106	ground	3.5	floz/acre	3.5	0	0	0.00	0.01	0.01	33%	0.00
2/15/2023	DUPONT MATRIX SG HERBICIDE	352-768	ground	4	oz/acre	4	0	0	0.00	0.01	0.01	33%	0.00
2/15/2023	GOALTENDER	62719-447	ground	0.5	pt/acre	0.5	0	2.2	0.00	10.55	10.55	33%	3.48
2/15/2023	ROUNDUP POWERMAX HERBICIDE	524-549	ground	16	floz/acre	11	5	0.024	0.12	1.39	1.51	33%	0.50
4/12/2023	INTEGRO MAGIC SULFUR DUST	79702-1	ground	18.125	lb/acre	8	10.125	0.53	5.37	0.01	5.38	100%	5.38
4/22/2023	INTEGRO MAGIC SULFUR DUST	79702-1	ground	16.25	lb/acre	8	8.25	0.53	4.37	0.01	4.38	100%	4.38
5/3/2023	INTEGRO MAGIC SULFUR DUST	79702-1	ground	16.25	lb/acre	8	8.25	0.53	4.37	0.01	4.38	100%	4.38
5/13/2023	INTEGRO MAGIC SULFUR DUST	79702-1	ground	16.25	lb/acre	8	8.25	0.53	4.37	0.01	4.38	100%	4.38
5/23/2023	INTEGRO MAGIC SULFUR DUST	79702-1	ground	16.25	lb/acre	8	8.25	0.53	4.37	0.01	4.38	100%	4.38
5/23/2023	ADMIRE PRO	264-827	drip	14	floz/acre	7	7	0.49	3.43	20.97	24.40	100%	24.40
6/3/2023	INTEGRO MAGIC SULFUR DUST	79702-1	ground	16.25	lb/acre	8	8.25	0.53	4.37	0.01	4.38	100%	4.38
6/15/2023	LUNA EXPERIENCE	264-1091	ground	6	floz/acre	6	0	0.28	0.00	8.15	8.15	100%	8.15
6/15/2023	MOVENTO	264-1050	ground	8	floz/acre	6	2	0	0.00	0.01	0.01	100%	0.01
6/30/2023	INTEGRO MAGIC SULFUR DUST	79702-1	ground	15	lb/acre	8	7	0.53	3.71	0.01	3.72	100%	3.72
												TOTAL *	67.56
													per acre

PEAS Reports must be submitted following the template above.

To download the **LODI RULES PEAS 2.0** Report Template as an Excel and/or Word file, visit lodigrowers.com/standards. For help, contact the Lodi Winegrape Commission at 209-367-4727.