

LODI RULES PEAS 2.0 CALCULATION INSTRUCTIONS

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.

NOTE: *If your application rate is **above** the label range listed in the PEAS 2.0 Risk Table, applied in a way other than ground or drip, or you cannot find a material you want to use on the Risk Table (the easiest way to find a material is using the searchable PDF online at [lodigrowers.com/standards](https://lodi growers.com/standards)), email stephanie@lodiwine.com to get the risk score PRIOR to application. It's best to plan your applications ahead of time at the beginning of the year as new materials needing a PEAS risk score are due July 1 and it can take several weeks to determine their risk with the IPM Institute.*

$$\begin{aligned} \text{PEAS 2.0 Score} &= \text{your rate adjusted points} + \text{base points} \\ &= [(\text{your appl rate} - \text{Min Rate in Column A}) \times \text{Column C}] + \text{Column D} \end{aligned}$$

To calculate LODI RULES PEAS 2.0 Risk Points per treated acre for a single pesticide application, first download a LODI RULES PEAS 2.0 Template, available in Excel or Word, online at [lodigrowers.com/standards](https://lodi growers.com/standards).

Follow the instructions on the following page, along with the Risk Table, or use the auto-calculation Excel Template. PEAS Reports must be submitted following one of the Templates provided online in Excel or Word.

The LODI RULES PEAS 2.0 Risk Table is updated with the addition of new materials every year. The most current searchable PDF version is always available at [lodigrowers.com/standards](https://lodi growers.com/standards).

LODI RULES PEAS 2.0 calculation example using Abacus miticide:

					A		B	C	D
Trade Name	US EPA Reg #	Active Ingredient(s)	Type	Appl Method	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

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 match 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 lower than or equal to the minimum label 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 label rate (8 floz/acre)

3. If your application rate is higher than the minimum label 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 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.
 $9.20 \times 10\% = \mathbf{0.92 \text{ points per treated acre}}$

Having trouble with these calculations? Help is available by calling the Lodi Winegrape Commission at 209.367.4727 during normal business hours.

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