

Department of Pesticide Regulation
Nonfumigant volatile organic compound (VOC) regulations
Product list (updated March 27, 2025)

The Department of Pesticide Regulation's (DPR's) nonfumigant VOC regulations (Title 3 California Code of Regulations (3 CCR) sections 6452.2, 6558, 6577, 6880, 6881, 6883, 6884 and 6886) include sales and use restrictions for certain agricultural use products containing any of the following pesticides as the primary active ingredient provided certain criteria are met.

| Primary Active Ingredient | Emission Potential (EP) Threshold (%) |
|---------------------------|---------------------------------------|
| Abamectin | 35 |
| Chlorpyrifos | 25 |
| Gibberellins | 25 |
| Oxyfluorfen | 15 |

If a product contains more than one active ingredient, the primary active ingredient is the one present at the highest percentage in a product. These criteria do not apply to products that contain an active ingredient listed above, but not as the primary active ingredient, including products with one or more active ingredients present at the same percentage.

The emission potential (EP) is an estimate of the product VOC content and is normally determined by the registrant using thermogravimetric analysis, with the test results reviewed and approved by DPR.

Products labeled only for non-agricultural uses are excluded from the regulations. Non-agricultural uses include:

a) home use; b) use in structural pest control; c) industrial or institutional use; d) control of an animal pest under the written prescription of a veterinarian; or e) vector control. All other uses are considered agricultural.

DPR classifies products containing any of the four pesticides into three groups:

High-VOC product: a) contains any of the four pesticides as a primary active ingredient; and b) labeled for agricultural use; and c) the EP is greater than the threshold.

Low-VOC product: a) contains any of the four pesticides as a primary active ingredient; and b) labeled for agricultural use; and c) the EP is equal to or less than the threshold.

Excluded product: a) contains any of the four pesticides, but not as a primary active ingredient; or b) labeled only for non-agricultural use.

The nonfumigant VOC restrictions only apply to high-VOC products. Low-VOC products or excluded products have no restrictions.

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Actively registered products containing **abamectin**. Products are listed in order by EP. Products marked “NEW” indicate a change from the last list. If a product was only recently registered or has an inactive registration it may not appear on the list below. Agricultural products with inactive registrations are considered high-VOC unless they are listed below as low-VOC, formulated as a solid (e.g., powder, granule), or meet the criteria for excluded products.

Low-VOC Abamectin Products, EP ≤ 35.0%

| Product Name | Registration Number | Registrant | Formulation | EP (%) |
|---|---------------------|---|--------------------------|--------|
| Abacide 2 | 7946-27-AA | J.J. Mauget Co. | Solution/Liquid | 0.00 |
| Abacide 2 HP | 7946-30-AA | J.J. Mauget Co. | Solution/Liquid | 0.00 |
| Clinch Ant Bait | 100-894-ZB | Syngenta Crop Protection, LLC | Granular/Flake | 3.70 |
| Advance 375A Granular Ant Bait | 499-370-ZD | BASF Corporation | Granular/Flake | 3.70 |
| Willowood Abamectin Granular Ant Bait | 83923-14-AA | Ensystex IV, Inc. | Granular/Flake | 3.70 |
| Willowood Abamectin 0.7SC | 87290-36-AA | Willowood, LLC | Liquid Concentrate | 4.62 |
| Avert DF Dry Flowable Cockroach Bait | 499-294-ZB | BASF Corporation | Dry Flowable | 5.55 |
| Divanem | 100-1611-AA | Syngenta Crop Protection, LLC | Suspension | 5.63 |
| Agri-Mek SC Miticide/Insecticide | 100-1351-ZA | Syngenta Crop Protection, LLC | Suspension | 5.63 |
| Rightline Nemamectin 0.7 SC | 87290-84-AA-93051 | Rightline, LLC | Liquid Concentrate | 6.30 |
| Willowood Abamectin 0.7SC | 87290-36-AA | Willowood, LLC | Liquid Concentrate | 6.30 |
| Willowood Abamectin 0.15LV | 87290-68-AA | Willowood, LLC | Emulsifiable Concentrate | 7.61 |
| Divasi | 91234-253-AA | Atticus, LLC | Suspension | 10.73 |
| Enterik 0.7 SC | 91234-252-AA | Atticus, LLC | Suspension | 11.21 |
| NEW Amavi SC | 89167-123-AA-89391 | Innvectis Crop Care, LLC | Liquid Concentrate | 11.21 |
| Abacus V6 | 83100-59-AA-83979 | Rotam North America, Inc. | Emulsifiable Concentrate | 12.06 |
| NEW Abacus V6 | 83100-59-ZA-83979 | Albaugh, LLC - Rotam North America Division | Emulsifiable Concentrate | 12.06 |
| Fervid | 91234-299-AA | Atticus, LLC | Emulsifiable Concentrate | 19.08 |
| Abamex Miticide/Insecticide | 228-734-AA | Nufarm Americas Inc. | Liquid Concentrate | 24.10 |
| Minx 2 Miticide/Insecticide | 228-736-AA | Nufarm Americas Inc. | Liquid Concentrate | 24.10 |
| Averland FC | 89118-10-AA | Vive Crop Protection Inc. | Suspension | 25.84 |
| Averland FC | 89118-10-AA | Vive Crop Protection Inc. | Solution/Liquid | 25.84 |
| Enterik 0.15 LV | 91234-51-AA | Atticus, LLC | Emulsifiable Concentrate | 27.26 |
| Abacus V | 83100-32-AA-83979 | Rotam North America, Inc. | Emulsifiable Concentrate | 27.26 |
| Tide Timectin 0.15EC Nematicide | 84229-2-ZB | Tide International, USA, Inc. | Emulsifiable Concentrate | 29.75 |
| Timectin 0.15 EC Ag Insecticide/Miticide | 84229-2-AA | Tide International, USA, Inc. | Emulsifiable Concentrate | 29.75 |
| Timectin 0.15 EC T&O Insecticide/Miticide | 84229-1-AA | Tide International, USA, Inc. | Emulsifiable Concentrate | 29.75 |
| Reaper Clearform | 34704-1078-ZA | Loveland Products Inc. | Emulsifiable Concentrate | 31.08 |
| Abba Ultra Miticide/Insecticide | 5481-621-AA | AMVAC Chemical Corporation | Emulsifiable Concentrate | 34.18 |

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High-VOC Abamectin Products, EP > 35.0%

| Product Name | Registration Number | Registrant | Formulation | EP (%) |
|---------------------------------------|---------------------|--|--------------------------|--------|
| Aracinate | 74779-1-AA | Rainbow Treecare Scientific Advancements | Other (Liquid) | 55.10 |
| Ardent 0.15 EC Miticide/Insecticide | 100-896-ZC | Syngenta Crop Protection, LLC | Emulsifiable Concentrate | 55.10 |
| Avid 0.15 EC Miticide/Insecticide | 100-896-ZD | Syngenta Crop Protection, LLC | Emulsifiable Concentrate | 55.10 |
| Abamectin 0.15 Select | 83100-5-AA-89442 | Prime Source, A Division of Albaugh LLC | Solution/Liquid | 60.54 |
| Lucid Ornamental Miticide/Insecticide | 83100-5-AA-83979 | Rotam North America, Inc. | Emulsifiable Concentrate | 60.54 |
| Avensis Insecticide/Miticide | 5481-627-AA | AMVAC Chemical Corporation | Emulsifiable Concentrate | 62.62 |
| Quali-Pro Abamectin 0.15 EC | 53883-371-AA | Control Solutions, Inc. | Emulsifiable Concentrate | 62.62 |
| Quali-Pro Todal | 53883-410-AA | Control Solutions, Inc. | Emulsifiable Concentrate | 62.62 |
| Reaper 0.15 EC | 34704-923-AA | Loveland Products, Inc. | Emulsifiable Concentrate | 73.33 |
| Reaper Advance | 34704-923-ZA | Loveland Products, Inc. | Emulsifiable Concentrate | 73.33 |
| Aim A Abamectin | 88050-3-AA | SmartVet USA, Inc. | Solution/Liquid | 98.00 |

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Actively registered products containing **chlorpyrifos**. Products are listed in order by EP. Products marked “NEW” indicate a change from the last list. If a product was only recently registered or has an inactive registration, it may not appear on the list below. Agricultural products with inactive registration are considered high-VOC unless they are listed below as low-VOC, formulated as a solid (e.g., powder, granule), or meet the criteria for excluded products.

Additionally, certain inactive products are subject to the restrictions outlined in the Notice of Use & Sale Conditions for Chlorpyrifos Products (Notice), dated October 9, 2019. As of December 31, 2020, possession and use of certain chlorpyrifos products by any person in California is prohibited. To view the Notice and list of products, please visit DPR’s Final Requirements for Chlorpyrifos Web page at <https://www.cdpr.ca.gov/docs/chlorpyrifos/pdf/general_notice_append_o.pdf>.

Low-VOC Chlorpyrifos Products, EP ≤ 25.0%

| Product Name | Registration Number | Registrant | Formulation | EP (%) |
|---|---------------------|--------------------------------|----------------|--------|
| Rainbow Fire Ant & Insect Killer | 13283-14-ZA | Rainbow Technology Corporation | Granular/Flake | 3.70 |
| Andersons Golf Products Insecticide III | 9198-167-AA | The Andersons, Inc. | Granular/Flake | 3.70 |

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Actively registered products containing **gibberellins**. Products are listed in order by EP. Products marked “NEW” indicate a change from the last list. If a product was only recently registered or has an inactive registration it may not appear on the list below. Agricultural products with inactive registrations are considered high-VOC unless they are listed below as low-VOC, formulated as a solid (e.g., powder, granule), or meet the criteria for excluded products.

Low-VOC Gibberellins Products, EP ≤ 25.0%

| Product Name | Registration Number | Registrant | Formulation | EP (%) |
|--|---------------------|---|--------------------|--------|
| Stimulate Yield Enhancer | 57538-13-AA | Stoller Enterprises, Inc. | Liquid Concentrate | 0.12 |
| Novagib 5L | 62097-47-AA-82917 | Fine Americas, Inc. | Liquid Concentrate | 0.39 |
| Falgro 20SP | 62097-3-AA-82917 | Fine Americas, Inc. | Soluble Powder | 1.15 |
| GA3 20% | 90866-14-AA | CH Biotech R&D Co., Ltd. C/O CH Biotech, LLC | Wettable Powder | 3.03 |
| Provide 10SG | 73049-409-AA | Valent Biosciences LLC | Granular/Flake | 3.70 |
| Progibb 40% Plant Growth Regulator Water Soluble Granule | 73049-1-ZA | Valent Biosciences LLC. | Granular/Flake | 3.70 |
| Progibb 40PH Post Harvest Plant Growth Regulator | 73049-492-AA | Valent Biosciences LLC | Granular/Flake | 3.70 |
| X-Pand | 57538-63-AA | Stoller Enterprises, Inc. | Liquid Concentrate | 4.72 |
| Progibb LV Plus Plant Growth Regulator Solution | 73049-498-AA | Valent Biosciences LLC | Liquid Concentrate | 11.54 |
| NEW Progibb LV Plus T&O Plant Growth Regulator Solution | 73049-498-ZA | Valent Biosciences LLC | Liquid Concentrate | 11.54 |
| Falgro 2X LV | 62097-32-AA-82917 | Fine Americas, Inc. | Liquid Concentrate | 22.95 |

High-VOC Gibberellins Products, EP > 25.0%

| Product Name | Registration Number | Registrant | Formulation | EP (%) |
|---|---------------------|---|--------------------|--------|
| N-Large Premier | 57538-20-AA | Stoller Enterprises, Inc. | Liquid Concentrate | 79.02 |
| GA3 4% | 90866-10-AA | CH Biotech R&D Co., Ltd. C/O CH Biotech, LLC | Liquid Concentrate | 92.36 |
| Falgro 4L | 62097-2-AA-82917 | Fine Americas, Inc. | Liquid Concentrate | 93.82 |
| Florgib 4L | 62097-10-AA-82917 | Fine Americas, Inc. | Liquid Concentrate | 93.82 |
| Pro-Gibb 4% Plant Growth Regulator Solution | 73049-15-AA | Valent Biosciences LLC | Liquid Concentrate | 94.13 |
| Progibb T & O Plant Growth Regulator (PGR) Solution | 73049-15-ZA | Valent Biosciences LLC | Liquid Concentrate | 94.13 |
| Progibb TVO Plant Growth Regulator Solution | 73049-15-ZB | Valent Biosciences LLC | Liquid Concentrate | 94.13 |
| Chrysal BVB | 72992-10-AA | Chrysal International BV | Liquid Concentrate | 95.30 |
| Fascination Plant Growth Regulator (PGR) | 73049-41-ZA | Valent Biosciences LLC. | Liquid Concentrate | 95.58 |
| Promalin Plant Growth Regulator Solution | 73049-41-AA | Valent Biosciences LLC | Liquid Concentrate | 95.58 |
| Fresco | 62097-6-ZA-82917 | Fine Americas, Inc. | Liquid Concentrate | 95.85 |
| Perlan | 62097-6-AA-82917 | Fine Americas, Inc. | Liquid Concentrate | 95.85 |

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Actively registered products containing **oxyfluorfen**. Products are listed in order by EP. Products marked “NEW” indicate a change from the last list. If a product was only recently registered or has an inactive registration it may not appear on the list below. Agricultural products with inactive registrations are considered high-VOC unless they are listed below as low-VOC, formulated as a solid (e.g., powder, granule), or meet the criteria for excluded products.

Low-VOC Oxyfluorfen Products, EP ≤ 15%

| Product Name | Registration Number | Registrant | Formulation | EP (%) |
|-------------------------------|---------------------|---|--------------------------|--------|
| Galigan H2O | 66222-140-AA | Makhteshim-Agan of North America D/B/A Adama | Liquid Concentrate | 1.64 |
| Biathlon Ornamental Herbicide | 59807-12-AA | OHP Inc. | Granular/Flake | 3.70 |
| Scrollvr | 91234-228-AA | Atticus, LLC | Liquid Concentrate | 5.86 |
| Govee Keeper | 89168-149-AA-89391 | Innvictis Crop Care, LLC | Liquid Concentrate | 5.86 |
| Willowood Oxyflo 4 SC | 87290-10-AA | Willowood, LLC | Liquid Concentrate | 6.76 |
| GoalTender Herbicide | 92894-3-AA-71368 | Nufarm, Inc. | Flowable Concentrate | 8.28 |
| Pindar GT | 62719-611-AA | Dow Agrosiences LLC | Suspension | 10.60 |
| Cleantraxx | 62719-702-AA | Dow Agrosiences LLC | Suspension | 10.60 |
| Oxystar 4L | 42750-199-AA | Albaugh, LLC. | Emulsifiable Concentrate | 10.63 |

High-VOC Oxyfluorfen Products, EP > 15.0%

| Product Name | Registration Number | Registrant | Formulation | EP (%) |
|-----------------------|---------------------|----------------------------------|--------------------------|--------|
| Scroll 2 XL | 91234-226-AA | Atticus, LLC | Emulsifiable Concentrate | 37.67 |
| Govee 2EC | 89168-135-AA-89391 | Innvictis Crop Care, LLC | Emulsifiable Concentrate | 37.67 |
| Willowood Oxyflo 2 EC | 87290-8-AA | Willowood, LLC | Emulsifiable Concentrate | 60.00 |
| Goal 2XL Herbicide | 92894-2-AA-71368 | Nufarm, Inc. | Emulsifiable Concentrate | 62.30 |
| Galigan 2E Herbicide | 66222-28-ZA | Makhteshim-Agan of North America | Emulsifiable Concentrate | 66.15 |
| Oxystar 2E | 42750-136-AA | Albaugh, LLC | Emulsifiable Concentrate | 73.09 |
| Govee | 89167-90-AA-89391 | Innvictis Crop Care, LLC | Liquid Concentrate | 73.09 |