



New Active Ingredients Registered in California During 2021

In 2021, the Department of Pesticide Regulation (DPR) registered 33 pesticide products containing 25 different new active ingredients. Of the 33 products, the U.S. Environmental Protection Agency (EPA) considered two products containing one new active ingredient to be reduced risk. DPR currently registers approximately 13,810 products containing 1,066 different active ingredients.

Common Chemical Name	General Use and Comments	Product(s) Registered
ALPHA-CHLORALOSE	For the control of house mice Comments: <ul style="list-style-type: none"> Indoor use only 	BLACK PEARL PASTE (EPA Reg. No. 89670-1-ML) BLACK PEARL PASTE PRO (EPA Reg. No. 89670-3-ML) BLACK PEARL PASTE PRO (EPA Reg. No. 89670-3-AA)
ASPERGILLUS FLAVUS STRAIN NRRL 21882	For agricultural use to displace aflatoxin-producing fungi in almonds, peanuts, pistachios, and corn Comments: <ul style="list-style-type: none"> Biopesticide 	AFLA-GUARD GR (EPA Reg. No. 100-1469-AA)

Common Chemical Name	General Use and Comments	Product(s) Registered
<p>BACILLUS AMYLOLIQUEFACIENS FZB 42</p>	<p>For the control of diseases such as fusarium, rhizoctonia, and phytophthora on agricultural crops such as parsley, strawberries, and potatoes and for disease control on vegetable, fruit, and ornamental plants grown in residential settings</p> <p>Comments:</p> <ul style="list-style-type: none"> • Biopesticide 	<p>AMYPROTEC 42 (EPA Reg. No. 69553-9-AA)</p>
<p>BACILLUS SUBTILIS, STRAIN FMCH002</p>	<p>For manufacturing use only</p> <p>Comments:</p> <ul style="list-style-type: none"> • Biopesticide 	<p>BACILLUS SUBTILLIS STRAIN FMCH002 TECHNICAL FOR MANUFACTURING USE ONLY (EPA Reg. No. 279-3617-AA)</p>
<p>CAPSICUM OLEORESIN</p>	<p>For the control of barnacles and mussels on boat hulls, propellers, and other boat running gear either in or out of water</p> <p>Comments:</p> <ul style="list-style-type: none"> • Major new use • Biopesticide 	<p>MASTER LABEL - BARNACLE STOP (EPA Reg. No. 89825-1-ML)</p>

Common Chemical Name	General Use and Comments	Product(s) Registered
CHOLINE CHLORIDE	<p>For the formulation into plant growth regulator (PGR) products for food and non-food crops</p> <p>Comments:</p> <ul style="list-style-type: none"> • First non-adjutant use 	CHOLINE CHLORIDE TECHNICAL (EPA Reg. No. 90866-19-AA)
CLONOSTACHYS ROSEA STRAIN CR-7	<p>For the control of diseases such as botrytis, sclerotinia, and monilinia on crops such as blackberries, raspberries, cucumbers, tomatoes, soybeans, and peaches</p> <p>Comments:</p> <ul style="list-style-type: none"> • Biopesticide • Concurrent evaluation with U.S. EPA 	VECTORITE WITH CR-7 (EPA Reg. No. 90641-2-AA)
CYCLANILIPROLE	<p>For the control of insects such as armyworm, codling moth, cabbage looper, Japanese beetle, and cutworms on crops such as apples, almonds, grapefruit, grapes, blueberries, peach, spinach, and tomato</p> <p>Comments:</p> <ul style="list-style-type: none"> • Reduced risk • Concurrent evaluation with U.S. EPA 	<p>CYCLANILIPROLE 50SL INSECTICIDE (EPA Reg. No. 71512-26-ML)</p> <p>CYCLANILIPROLE 100SL INSECTICIDE (EPA Reg. No. 71512-34-ML)</p> <p>VERDEPRYN 100SL INSECTICIDE (EPA Reg. No. 71512-34-AA-88783)</p> <p>HARVANTA 50SL INSECTICIDE (EPA Reg. No. 71512-26-AA-88783)</p>

Common Chemical Name	General Use and Comments	Product(s) Registered
GONADOTROPIN RELEASING HORMONE	For use only by federal agencies, federally-recognized native american tribes, or state agencies to manage fertility in reproductively mature wild or feral female horses and burros	GONACON-EQUINE (EPA Reg. No. 56228-41-AA)
HELICOVERPA ARMIGERA NUCLEOPOLYHEDROV IRUS, STRAIN BV-0003	For the control of corn earworm, tobacco budworm, and old world bollworm on crops such as tomatoes, lettuce, and cucumbers grown in greenhouses and open fields Comments: <ul style="list-style-type: none"> • Biopesticide 	HELICOVEX (EPA Reg. No. 69553-2-AA)
INPYRFLUXAM	For formulation use only Comments: <ul style="list-style-type: none"> • Concurrent evaluation with U.S. EPA 	S-2399 TECHNICAL FUNGICIDE (EPA Reg. No. 59639-233-AA)
ISARIA FUMOSOROSEA STRAIN FE 9901	For the control of insects such as whiteflies, aphids, and leaf hoppers on crops such as greenhouse ornamentals, nursery crops, turfgrass, rice, tomato, and almond Comments: <ul style="list-style-type: none"> • Biopesticide 	NOFLY WP (EPA Reg. No. 88664-1-AA)

Common Chemical Name	General Use and Comments	Product(s) Registered
MEFENTRIFLUCONAZOLE	<p>For the control of diseases such as powdery mildew, black rot, brown rot, pear scab, and apple scab on crops such as grapes, apples, and almonds and for control of diseases such as leaf spot, dollar spot, and anthracnose in nonresidential turfgrass</p> <p>Comments:</p> <ul style="list-style-type: none"> • Concurrent evaluation with U.S. EPA 	<p>CEVYA FUNGICIDE (EPA Reg. No. 7969-407-AA)</p> <p>MIBELYA FUNGICIDE (EPA Reg. No. 7969-410-AA)</p> <p>MAXTIMA FUNGICIDE (EPA Reg. No. 7969-404-AA)</p> <p>NAVICON INTRINSIC BRAND FUNGICIDE (EPA Reg. No. 7969-403-AA)</p>
METHYL MERCAPTAN	<p>For the non-lethal control of gophers through, surface drip, subterranean drip, and micro irrigation systems in all U.S. EPA crop groupings</p> <p>Comments:</p> <ul style="list-style-type: none"> • Concurrent evaluation with U.S. EPA 	<p>PROTEC-T (EPA Reg. No. 87809-1-AA)</p>
PALMITAMINE OXIDE	<p>For use as an adjuvant</p> <p>Comments:</p> <ul style="list-style-type: none"> • Previously registered active ingredient 	<p>CELENCO GRYON FX (Reg. No. 6836-50004-AA)</p>

Common Chemical Name	General Use and Comments	Product(s) Registered
<p>PEPINO MOSAIC VIRUS, STRAIN CH2, ISOLATE 1906</p>	<p>For the control of pepino mosaic virus on greenhouse tomatoes</p> <p>Comments:</p> <ul style="list-style-type: none"> • Concurrent evaluation with U.S. EPA 	<p>PMV-01 (EPA Reg. No. 92554-1-AA)</p>
<p>PICARBUTRAZOX</p>	<p>For manufacturing use only</p>	<p>PICARBUTRAZOX TECHNICAL (EPA Reg. No. 8033-137-AA)</p>
<p>POLYVINYL ALCOHOL</p>	<p>For use as an adjuvant</p> <p>Comments:</p> <ul style="list-style-type: none"> • Previously registered active ingredient 	<p>HYDROVANT FJ (Reg. No. 95847-50001-AA)</p>
<p>SODIUM BENZOATE</p>	<p>For use as an in-container preservative to control bacteria, mold, and fungi in industrial and household products such as detergents, fabric softeners, soaps, and liquid cleaners</p> <p>Comments:</p> <ul style="list-style-type: none"> • Previously registered active ingredient 	<p>KALAGUARD SB (EPA Reg. No. 91212-1-AA)</p>

Common Chemical Name	General Use and Comments	Product(s) Registered
<p>SPODOPTERA EXIGUA MULTINUCLEOPOLYH EDROVIRUS, STRAIN BV-004</p>	<p>For the control of beet armyworms in sites such as greenhouses and open fields</p> <p>Comments:</p> <ul style="list-style-type: none"> • Biopesticide 	<p>SPEXIT (EPA Reg. No.69553-4-AA)</p>
<p>TRICHODERMA ASPERELLUM STRAIN T-34</p>	<p>For the suppression of root diseases caused by fusarium, rhizoctonia, pythium, and phytophthora in ornamental plants grown in greenhouses</p>	<p>ASPERELLO T34 BIOCONTROL (EPA Reg. No. 87301-1-AA- 91594)</p>
<p>TRICHODERMA ATROVIRIDE SC1</p>	<p>For the control of esca disease complex and other wood diseases on dormant grapevines after pruning and for the control and suppression of eutypa sp., cytospora sp., botryosphaeria sp., and other canker diseases in almonds</p> <p>Comments:</p> <ul style="list-style-type: none"> • Biopesticide • Concurrent evaluation with U.S. EPA 	<p>VINTEC (EPA Reg. No. 92083-2-AA)</p>

Common Chemical Name	General Use and Comments	Product(s) Registered
1-AMINOCYCLOPROPAN E-1-CARBOXYLIC ACID	<p>For use as a plant growth regulator on crops such as apple, apricots, nectarine, peach, plum, and fresh prune</p> <p>Comments:</p> <ul style="list-style-type: none"> • Biochemical • Concurrent evaluation with U.S. EPA 	ACCEDE PLANT GROWTH REGULATOR LIQUID CONCENTRATE (EPA Reg. No.73049-517-AA)
1-TETRADECANAMINE, N,N- DIMETHYL-, N-OXIDE	For use as an adjuvant	CELENCO GRYON FX (Reg. No. 6836-50004-AA)
2-CYCLOPENTEN-1-ONE, 3-METHYL-2-(2Z)-2-PENTENYL-	<p>For the control of plant pathogenic nematodes such as root knot nematodes, sting nematodes, and stunt nematodes on crops such as cotton, soybeans, and all types of corn</p> <p>Comments:</p> <ul style="list-style-type: none"> • Concurrent evaluation with U.S. EPA 	TRUNEMCO NEMATODE MANAGEMENT (EPA Reg. No. 55146-162-AA)