

# PESTICIDE ANALYTES

TO TEST FOR IN

CANNABIS PRODUCTS



Reference:

Oregon Health Authority, Public Health Division



Toronto Research Chemicals  
products for innovative research

## Pesticide Analytes to test for in Cannabis Products

| <b>Product</b>                             | <b>CAS No</b> | <b>Catalog No</b> | <b>Explore</b> |
|--|---------------|-------------------|----------------|
| Abamectin                                  | 71751-41-2    | A107000           | Explore        |
| Acephate                                   | 30560-19-1    | A130850           | Explore        |
| Acequinocyl                                | 57960-19-7    |                   | Explore        |
| Acetamiprid                                | 135410-20-7   | A150800           | Explore        |
| Aldicarb                                   | 116-06-3      | A514650           | Explore        |
| Aldicarb-d3                                | 1795142-83-4  | A514652           | Explore        |
| Azoxystrobin                               | 131860-33-8   | A965150           | Explore        |
| Azoxystrobin-d4                            | 1346606-39-0  | A965152           | Explore        |
| Bifenazate                                 | 149877-41-8   | B383020           | Explore        |
| Bifenthrin                                 | 82657-04-3    | B383000           | Explore        |
| Boscalid                                   | 188425-85-6   | B675850           | Explore        |
| Boscalid-d4                                |               | B675852           | Explore        |
| Carbaryl                                   | 63-25-2       | C175895           | Explore        |
| Carbofuran                                 | 1563-66-2     | C176590           | Explore        |
| Carbofuran-d3                              | 1007459-98-4  | C176592           | Explore        |
| Carbofuran-13C6                            |               | C176593           | Explore        |
| Chlorantraniliprole                        | 500008-45-7   | C325380           | Explore        |
| Chlorfenapyr                               | 122453-73-0   | C428500           | Explore        |
| Chlorpyrifos                               | 2921-88-2     | C425300           | Explore        |
| Chlorpyrifos (Diethyl-d10)                 | 285138-81-0   | C425302           | Explore        |
| Clofentezine                               | 74115-24-5    | C585615           | Explore        |
| Cyfluthrin                                 | 68359-37-5    | C989510           | Explore        |
| Cyfluthrin Phenoxy-d5                      |               | C989512           | Explore        |
| Cypermethrin                               | 52315-07-8    | C989000           | Explore        |
| Cypermethrin (Phenoxy-d5) Isomeric Mixture |               | C989002           | Explore        |
| Daminozide                                 | 1596-84-5     | D134700           | Explore        |
| Daminozide-d4                              |               | D416717           | Explore        |

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|                         |              |         |         |
|-------------------------|--------------|---------|---------|
| DDVP (Dichlorvos)       | 62-73-7      | D435950 | Explore |
| Dichlorvos-d6           | 203645-53-8  | D435952 | Explore |
| Diazinon                | 333-41-5     | D416880 | Explore |
| Diazinon-d10            | 100155-47-3  | D416882 | Explore |
| Diazinon-13C4           |              | D416884 | Explore |
| Dimethoate              | 60-51-5      | D460505 | Explore |
| Dimethoate-d6           | 1219794-81-6 | D460507 | Explore |
| Dimethoate-13C3         |              | D460508 | Explore |
| Ethoprophos             | 13194-48-4   | E890530 | Explore |
| Etofenprox              | 80844-07-1   | E936400 | Explore |
| Etoxazole               | 153233-91-1  | E936600 | Explore |
| Fenoxycarb              | 72490-01-8   | F248870 | Explore |
| Fenpyroximate           |              |         | Explore |
| Fipronil                | 120068-37-3  | F342200 | Explore |
| Fipronil- 13C2 15N2     | 120068-37-3  | F342202 | Explore |
| Flonicamid              | 158062-67-0  | F405710 | Explore |
| Fludioxonil             | 131341-86-1  | F427000 | Explore |
| Fludioxonil-13C3        |              | F427002 | Explore |
| Fludioxonil-13C2        |              | F427003 | Explore |
| Hexythiazox             | 78587-05-0   | H298500 | Explore |
| Imazalil                | 35554-44-0   | I268503 | Explore |
| Imidacloprid            | 138261-41-3  | I274990 | Explore |
| Imidacloprid-d4         | 1015855-75-0 | I274992 | Explore |
| Kresoxim-methyl         | 143390-89-0  | K659000 | Explore |
| Kresoxim-methyl-d7      |              | K659002 | Explore |
| Malathion               | 121-75-5     | M111000 | Explore |
| Malathion-d6            | 1189877-72-2 | M111002 | Explore |
| Malathion (Diethyl-d10) | 347841-48-9  | M111003 | Explore |
| Metalaxyl               | 57837-19-1   | M258740 | Explore |

## Pesticide Analytes to test for in Cannabis Products

|                                      |              |         |         |
|--------------------------------------|--------------|---------|---------|
| Metalaxyl-d6                         |              | M258742 | Explore |
| Metalaxyl-13C6                       | 1356199-69-3 | M258743 | Explore |
| Methiocarb                           | 2032-65-7    | M225240 | Explore |
| Methiocarb-d3                        | 1581694-94-1 | M225242 | Explore |
| Methomyl                             | 16752-77-5   | M260530 | Explore |
| Methomyl-d3                          | 1398109-07-3 | M260532 | Explore |
| Methyl parathion                     | 298-00-0     | P192225 | Explore |
| Parathion-methyl-d6                  | 96740-32-8   | P192227 | Explore |
| MGK-264                              | 113-48-4     | O273070 | Explore |
| Myclobutanil                         | 88671-89-0   | M831400 | Explore |
| Myclobutanil-d9                      |              | M831402 | Explore |
| Naled                                | 300-76-5     | N245300 | Explore |
| Naled-d6                             | 1216605-57-0 | N245302 | Explore |
| Oxamyl                               | 23135-22-0   | O845140 | Explore |
| Oxamyl-d6                            |              | O845142 | Explore |
| Oxamyl-13C3                          |              | O845143 | Explore |
| Paclobutrazol                        | 76738-62-0   | P133000 | Explore |
| Permethrins*                         | 52645-53-1   | P288500 | Explore |
| Permethrin-d5<br>(cis/trans mixture) | 1794760-19-2 | P288502 | Explore |
| Phosmet                              | 732-11-6     | P353700 | Explore |
| Phosmet-d6                           |              | P353702 | Explore |
| Piperonyl_butoxide                   | 51-03-6      | P490200 | Explore |
| Piperonyl Butoxide-d9                | 1329834-53-8 | P490202 | Explore |
| Prallethrin                          | 23031-36-9   | P700600 | Explore |
| Propiconazole                        | 60207-90-1   | P770100 | Explore |
| Propiconazole-d7                     | 1246818-14-3 | P770102 | Explore |
| Propoxur                             | 114-26-1     | P830800 | Explore |
| Pyrethrins†                          | 8003-34-7    | P991248 | Explore |

## Pesticide Analytes to test for in Cannabis Products

|                    |              |         |         |
|--------------------|--------------|---------|---------|
| Pyridaben          | 96489-71-3   | P991260 | Explore |
| Pyridaben-d13      |              | P991262 | Explore |
| Spinosad           | 168316-95-8  |         | Explore |
| Spiromesifen       | 283594-90-1  | S683505 | Explore |
| Spirotetramat      | 203313-25-1  | S683300 | Explore |
| Spirotetramat-d5   |              | S683302 | Explore |
| Spiroxamine        | 118134-30-8  | S683500 | Explore |
| Tebuconazole       | 80443-41-0   |         | Explore |
| Thiacloprid        | 111988-49-9  | T343900 | Explore |
| Thiacloprid-d4     | 1793071-39-2 | T343902 | Explore |
| Thiamethoxam       | 153719-23-4  | T344180 | Explore |
| Thiamethoxam-d4    | 1331642-98-8 | T344182 | Explore |
| Thiamethoxam-d3    | 1294048-82-0 | T344183 | Explore |
| Trifloxystrobin    | 141517-21-7  | T778900 | Explore |
| Trifloxystrobin-d6 |              | T778902 | Explore |



TORONTO RESEARCH CHEMICALS

PRODUCTS FOR INNOVATIVE RESEARCH

[WWW.TRC-CANADA.COM](http://WWW.TRC-CANADA.COM)

PESTICIDE RESIDUE ANALYSIS

# PESTICIDES IN VINEYARDS

Pesticides are used to control pests and diseases in vineyards to increase crop yield. Due to unsuitable agricultural practices, the level of pesticide residues in or on grapes at the moment of harvest is higher than the permitted level of regulation. In the European Union, Regulation 396/2005/EC establishes the maximum residue levels (MRLs) of pesticides permitted in products of animal or vegetable origin intended for human or animal consumption.

TRC has a large selection of compounds that are used for analytical applications related to pesticide detection.

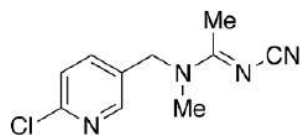


## SELECTION OF RELATED COMPOUNDS FROM TRC

Catalogue No: **A150800** 

Chemical Name: Acetamiprid

CAS number: 135410-20-7

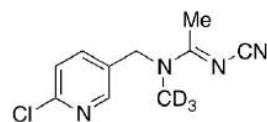


Catalogue No: **A150802** 

Labeled

Chemical Name: Acetamiprid-d3

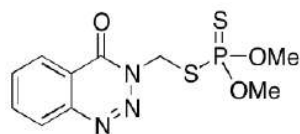
CAS number: 1353869-35-8



Catalogue No: **A926955** 

Chemical Name: Azinphos-methyl

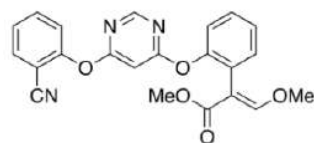
CAS number: 86-50-0



Catalogue No: **A965150** 

Chemical Name: Azoxystrobin

CAS number: 131860-33-8

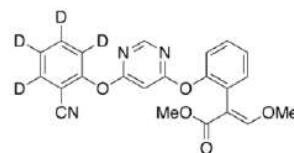



Catalogue No: **A965152** 

Labeled

Chemical Name: Azoxystrobin-d4

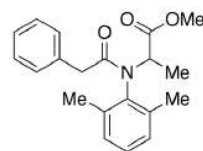
CAS number: 1346606-39-0



Catalogue No: **B131900** 

Chemical Name: Benalaxyl

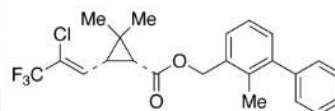
CAS number: 71626-11-4



Catalogue No: **B383000** 

Chemical Name: Bifenthrin

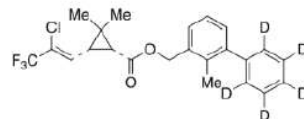
CAS number: 82657-04-3



Catalogue No: **B383002** 

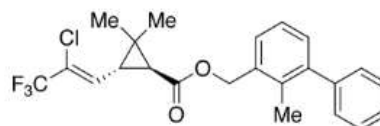
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Chemical Name: (rac-cis)-Z-Bifenthrin-d5



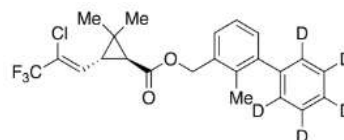
## SELECTION OF RELATED COMPOUNDS FROM TRC


Catalogue No: **B383005**   
Chemical Name: trans-Bifenthrin  
CAS number: 83322-02-5

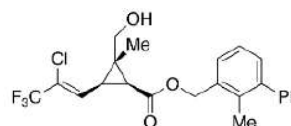



Catalogue No: **B383007**   
Chemical Name: trans-Bifenthrin-d5

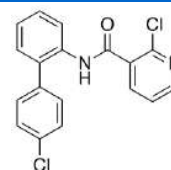
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Catalogue No: **H829985**   
Chemical Name: Hydroxy-Bifenthrin  
CAS number: 146726-17-2

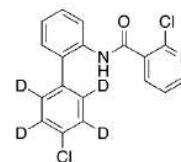


Catalogue No: **B675850**   
Chemical Name: Boscalid  
CAS number: 188425-85-6

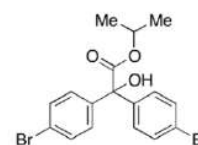


Catalogue No: **B675852**   
Chemical Name: Boscalid-d4

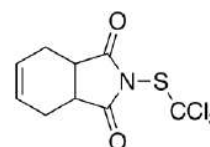
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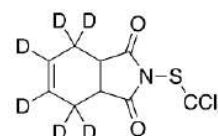
Catalogue No: **B687745**   
Chemical Name: Bromopropylate  
CAS number: 18181-80-1



Catalogue No: **C175725**   
Chemical Name: Captan  
CAS number: 133-06-2



Catalogue No: **C175727**   
Chemical Name: Captan-d6  
CAS number: 1330190-00-5



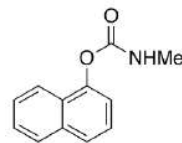


## SELECTION OF RELATED COMPOUNDS FROM TRC

Catalogue No: **C175895** 

Chemical Name: Carbaryl

CAS number: 63-25-2

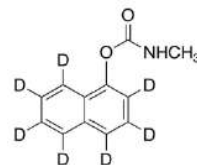


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Catalogue No: **C175897** 

Chemical Name: Carbaryl-d7

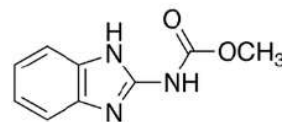
CAS number: 362049-56-7



Catalogue No: **C175900** 

Chemical Name: Carbazim

CAS number: 10605-21-7

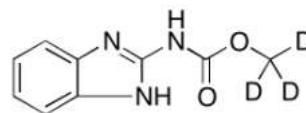


Labeled

Catalogue No: **C175901** 

Chemical Name: Carbazim-d3

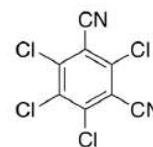
CAS number: 1255507-88-0




Catalogue No: **C411250** 

Chemical Name: Chlorothalonil

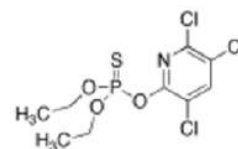
CAS number: 1897-45-6



Catalogue No: **C425300** 

Chemical Name: Chlorpyrifos

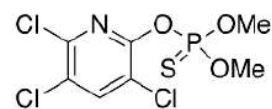
CAS number: 2921-88-2



Catalogue No: **C425330** 

Chemical Name: Chlorpyrifos-methyl

CAS number: 5598-13-0



Labeled

Catalogue No: **C425332** 

Chemical Name: Chlorpyrifos-methyl-d6

