

**Date : 22nd February, 2011**

| SI No                       | Pesticide  | MRL Range EU | LOQ  |
|-----------------------------|--|--------------|------|
| <b>I) Organochlorine</b>    |  |              |      |
| 1                           | *Aldrin (Aldrin and dieldrin combined expressed as dieldrin)                   | 0.01         | 0.01 |
| 1.1                         | *Aldrin  | 0.01         | 0.01 |
| 1.2                         | *Dieldrin  | 0.01         | 0.01 |
| 2                           | *Chlordane (cis & trans)   | 0.01         | 0.01 |
| 2.1                         | cis-Chlordane  |              | 0.01 |
| 2.2                         | trans-Chlordane  |              | 0.01 |
| 3                           | Chlorothalonil   | 1.00         | 0.01 |
| 4                           | *DDT (all isomers)   | 0.05         | 0.01 |
| 4.1                         | p,p'-DDT   |              | 0.01 |
| 4.2                         | o,p'-DDT   |              | 0.01 |
| 4.3                         | p,p'-DDE   |              | 0.01 |
| 4.4                         | p,p'-TDE (DDD)   |              | 0.01 |
| 5                           | Dicofol  | 2.00         | 0.01 |
| 6                           | *Dieldrin (See Aldrin)   | 0.01         | 0.01 |
| 7                           | Endosulphan (All isomers)  | 0.50         | 0.01 |
| 7.1                         | alpha - Endosulphan  |              | 0.01 |
| 7.2                         | beta - Endosulphan   |              | 0.01 |
| 7.3                         | Endosulphan Sulphate   |              | 0.01 |
| 8                           | *Endrin  | 0.01         | 0.01 |
| 9                           | *HCH (sum of isomers, except the gamma isomer)                                 | 0.01         | 0.01 |
| 9.1                         | alpha-HCH  |              | 0.01 |
| 9.2                         | beta-HCH   |              | 0.01 |
| 9.3                         | delta-HCH  |              | 0.01 |
| 10                          | *Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor) | 0.01         | 0.01 |
| 10.1                        | Heptachlor   |              | 0.01 |
| 10.2                        | Heptachlor epoxide   |              | 0.01 |
| 11                          | *Lindane (gamma-HCH)   | 0.01         | 0.01 |
| <b>II) Organophosphorus</b> |  |              |      |
| 12                          | 4-bromo-2-chlorophenol (metabolite of Profenophos)                             | 0.01         | 0.01 |
| 13                          | *Acephate  | 0.02         | 0.01 |
| 14                          | *Chlorfenvinphos   | 0.02         | 0.01 |
| 15                          | Chlorpyrifos   | 0.50         | 0.01 |
| 16                          | Chlorpyrifos-methyl  | 0.20         | 0.01 |
| 17                          | *Diazinon  | 0.01         | 0.01 |
| 18                          | *Dichlorvos  | 0.01         | 0.01 |
| 19                          | *Dimethoate (Including Omethoate)  | 0.02         | 0.01 |
| 19.1                        | Dimethoate   |              | 0.01 |
| 19.2                        | Omethoate  |              | 0.01 |
| 20                          | Edifenphos   | 0.01         | 0.01 |
| 21                          | *Ethion  | 0.01         | 0.01 |
| 22                          | Etrimphos  | 0.01         | 0.01 |
| 23                          | *Fenitrothion  | 0.01         | 0.01 |

|                                   |   |      |      |
|-----------------------------------|---|------|------|
| 24                                | *Fenthion   | 0.01 | 0.01 |
| 24.1                              | Fenthion  |      | 0.01 |
| 24.2                              | Fenthion-sulfone  |      | 0.01 |
| 24.3                              | Fenthion-sulfoxide  |      | 0.01 |
| 25                                | *Glufosinate-ammonium   | 0.10 | 0.05 |
| 25.1                              | Glufosinate   |      | 0.05 |
| 25.2                              | MPP   |      | 0.05 |
| 26                                | Glyphosate  | 0.50 | 0.05 |
| 26.1                              | Glyphosate  |      | 0.05 |
| 26.2                              | Aminomethylphosphonic acid (AMPA)   |      | 0.05 |
| 27                                | Iprobenphos   | 0.01 | 0.01 |
| 28                                | Malathion   | 0.02 | 0.01 |
| 28.1                              | Malathion   |      | 0.01 |
| 28.2                              | Malaoxon  |      | 0.01 |
| 29                                | *Methamidophos  | 0.01 | 0.01 |
| 30                                | Monocrotophos   | 0.01 | 0.01 |
| 31                                | *Omethoate (refer to Dimethoate)  | 0.02 | 0.01 |
| 32                                | *Oxydemeton methyl  | 0.01 | 0.01 |
| 32.1                              | Oxydemeton- methyl  |      | 0.01 |
| 32.2                              | Demeton-S-methylsulfone   |      | 0.01 |
| 33                                | *Parathion ethyl  | 0.05 | 0.01 |
| 34                                | *Parathion methyl   | 0.02 | 0.01 |
| 34.1                              | Parathion methyl  |      | 0.01 |
| 34.2                              | Paraoxon methyl   |      | 0.01 |
| 35                                | Phenthoate  | 0.01 | 0.01 |
| 36                                | *Phorate  | 0.05 | 0.01 |
| 36.1                              | Phorate   |      | 0.01 |
| 36.2                              | Phorate-sulfone   |      | 0.01 |
| 36.3                              | Phorate-sulfoxide   |      | 0.01 |
| 37                                | *Phosalone  | 0.05 | 0.01 |
| 38                                | *Phosphamidon   | 0.01 | 0.01 |
| 39                                | *Pirimiphos-methyl  | 0.05 | 0.02 |
| 40                                | *Profenophos  | 0.05 | 0.01 |
| 41                                | Propetamphos  | 0.01 | 0.01 |
| 42                                | *Quinalphos   | 0.05 | 0.01 |
| 43                                | Temephos  | 0.01 | 0.01 |
| 44                                | Thiometon   | 0.01 | 0.01 |
| 45                                | *Triazophos   | 0.01 | 0.01 |
| <b>III) Synthetic Pyrethroids</b> |   |      |      |
| 46                                | Allethrin and Bioallethrin  | 0.01 | 0.01 |
| 47                                | Bifenthrin  | 0.20 | 0.01 |
| 48                                | Cyfluthrin (including other mixtures of constituent isomers sum of isomers)       | 0.30 | 0.05 |
| 48.1                              | Cyfluthrin 1  |      | 0.05 |
| 48.2                              | Cyfluthrin 2  |      | 0.05 |
| 48.3                              | Cyfluthrin 3  |      | 0.05 |
| 48.4                              | Cyfluthrin 4  |      | 0.05 |
| 49                                | Cypermethrin (including other mixtures of constituent isomers sum of isomers) iso | 0.50 | 0.05 |
| 49.1                              | Cypermethrin 1  |      | 0.05 |
| 49.2                              | Cypermethrin 2  |      | 0.05 |

|                                     |   |      |      |
|-------------------------------------|---|------|------|
| 49.3                                | Cypermethrin 3  |      | 0.05 |
| 49.4                                | Cypermethrin 4  |      | 0.05 |
| 50                                  | Deltamethrin  | 0.20 | 0.05 |
| 51                                  | Ethofenprox (Etofenprox)  | 5.00 | 0.01 |
| 52                                  | *Fenpropathrin  | 0.01 | 0.01 |
| 53                                  | Fenvalerate & Esfenvalerate (sum of RR & SS isomers)                                | 0.10 | 0.01 |
| 54                                  | *Fenvalerate & Esfenvalerate (sum of RS & SR isomers)                               | 0.02 | 0.01 |
| 55                                  | Lambda-cyhalothrin  | 0.20 | 0.01 |
| 56                                  | *Permethrin (sum of isomers)  | 0.05 | 0.01 |
| 56.1                                | cis-Permethrin  |      | 0.01 |
| 56.2                                | trans-permethrin  |      | 0.01 |
| 57                                  | tau- Fluvalinate  | 0.10 | 0.01 |
| 57.1                                | tau- Fluvalinate 1  |      | 0.01 |
| 57.2                                | tau- Fluvalinate 2  |      | 0.01 |
| 58                                  | *Transfluthrin  | 0.01 | 0.01 |
| <b>IV) Triazines</b>                |   |      |      |
| 59                                  | *Atrazine   | 0.05 | 0.01 |
| 60                                  | Flufenazine   | 0.10 | 0.02 |
| 61                                  | Simazine  | 0.20 | 0.02 |
| <b>V) Acylamino acid fungicides</b> |   |      |      |
| 62                                  | Benalaxyl including other mixtures of constituent isomers including Benalaxyl-M (su | 0.20 | 0.02 |
| 63                                  | Metalaxyl & Metalaxyl-M   | 2.00 | 0.02 |
| 64                                  | *Oxycarboxin  | 0.05 | 0.02 |
| 65                                  | *Propanil   | 0.10 | 0.05 |
| <b>VI) Carbamates</b>               |   |      |      |
| 66                                  | Bendiocarb  | 0.01 | 0.01 |
| 67                                  | *Benfuracarb  | 0.05 | 0.01 |
| 68                                  | Benomyl (see carbendazim)   | 0.30 | 0.01 |
| 69                                  | *Carbaryl   | 0.05 | 0.01 |
| 70                                  | *Carbofuran   | 0.02 | 0.01 |
| 70.1                                | Carbofuran  |      | 0.01 |
| 70.2                                | 3-hydroxy-carbofuran  |      | 0.01 |
| 71                                  | *Carbosulfan  | 0.05 | 0.02 |
| 72                                  | *Dazomet (Methylisothiocyanate resulting from the use of dazomet & metam)           | 0.02 | 0.01 |
| 73                                  | Fenobucarb  | 0.01 | 0.01 |
| 74                                  | Indoxacarb (sum of R and S isomers)   | 2.00 | 0.02 |
| 75                                  | Iprovalicarb  | 2.00 | 0.02 |
| 76                                  | *Methomyl and Thiodicarb (sum of methomyl and thiodicarb expressed as methom        | 0.02 | 0.01 |
| 76.1                                | Methomyl  |      | 0.01 |
| 76.2                                | Thiodicarb  |      | 0.01 |
| 77                                  | *Propoxur   | 0.05 | 0.01 |
| 78                                  | *Thiobencarb (Benthiocarb)  | 0.10 | 0.05 |
| 79                                  | *Thiodicarb (see Methomyl)  | 0.02 | 0.01 |
| <b>VII) Pyrimidines</b>             |   |      |      |
| 80                                  | Fenarimol   | 0.30 | 0.10 |
| <b>VIII) Triazoles</b>              |   |      |      |
| 81                                  | *Bitertanol   | 0.05 | 0.01 |
| 82                                  | Difenoconazole  | 0.50 | 0.05 |
| 83                                  | Flusilazole   | 0.05 | 0.01 |

|   |   |       |      |
|---|---|-------|------|
| 84  | Hexaconazole  | 0.10  | 0.01 |
| 85  | Myclobutanil  | 1.00  | 0.01 |
| 86  | Pacllobutrazol  | 0.05  | 0.01 |
| 87  | Penconazole   | 0.20  | 0.01 |
| 88  | *Propiconazole  | 0.05  | 0.01 |
| 89  | Tebuconazole  | 2.00  | 0.01 |
| 90  | Triadimefon (sum of triadimefon and triadimenol)                                | 2.00  | 0.01 |
| 90.1                                      | Triadimefon   |       | 0.01 |
| 90.2                                      | Triadimenol   |       | 0.01 |
| <b>IX) Imidazole</b>                      |   |       |      |
| 91  | Fenamidone  | 0.50  | 0.02 |
| 92  | Iprodione   | 10.00 | 0.05 |
| <b>X) Oxazole</b>                         |   |       |      |
| 93  | Famoxadone  | 2.00  | 0.02 |
| <b>XI) Phthalimide</b>                    |   |       |      |
| 94  | *Captafol   | 0.02  | 0.01 |
| 95  | *Captan   | 0.02  | 0.01 |
| <b>XII) Benzimidazole</b>                 |   |       |      |
| 96  | Carbendazim (including Benomyl)   | 0.30  | 0.01 |
| 96.1                                      | Benomyl   |       | 0.01 |
| 96.2                                      | Carbendazim   |       | 0.01 |
| 97  | *Thiophanate-methyl   | 0.10  | 0.02 |
| <b>XIII) Dithiocarbamates</b>             |   |       |      |
| 98  | Dithiocarbamates (Mancozeb, Maneb, Propineb, Metiram, Thiram, Zineb and Ziram)  | 5.00  | 0.10 |
| <b>XIV) Nicotinoids</b>                   |   |       |      |
| 99  | *Acetamiprid  | 0.01  | 0.01 |
| 100                                       | Clothianidin (see thiamethoxam)   | 0.60  | 0.02 |
| 101                                       | Imidacloprid  | 1.00  | 0.01 |
| 102                                       | *Thiacloprid  | 0.02  | 0.01 |
| 103                                       | Thiamethoxam (sum of thiamethoxam and clothianidin expressed as thiamethoxam)   | 0.50  | 0.02 |
| 103.1                                     | Thiamethoxam  |       | 0.02 |
| 103.2                                     | Clothianidin  |       | 0.02 |
| <b>XV) Dinitrophenol</b>                  |   |       |      |
| 104                                       | *Dinocap (sum of dinocap isomers and their corresponding phenolsexpressed as d) | 0.05  | 0.02 |
| <b>XVI) Aliphatic Nitrogen fungicides</b> |   |       |      |
| 105                                       | Cymoxanil   | 0.20  | 0.02 |
| <b>XVII) Morpholine</b>                   |   |       |      |
| 106                                       | Dimethomorph  | 3.00  | 0.05 |
| 107                                       | *Tridemorph   | 0.05  | 0.02 |
| <b>XVIII) Substituted Thiourea</b>        |   |       |      |
| 108                                       | Diafenthiuron   | 0.01  | 0.01 |
| 109                                       | *Diuron   | 0.05  | 0.02 |
| 109.1                                     | Diuron  |       | 0.02 |
| 109.2                                     | 3,4-dichloroaniline   |       | 0.02 |
| 110                                       | *Iodosulfuron-methyl  | 0.02  | 0.01 |
| 111                                       | *Isoproturon  | 0.05  | 0.01 |
| 112                                       | *Linuron  | 0.05  | 0.02 |
| 113                                       | Lufenuron   | 1.00  | 0.02 |

|               |   |        |       |
|---------------|---|--------|-------|
| 114           | *Pencycuron   | 0.05   | 0.01  |
| <b>XIX)</b>   | <b>Benzoylphenyl urea</b>   |        |       |
| 115           | Flufenoxuron  | 1.00   | 0.10  |
| <b>XX)</b>    | <b>Strobilurin</b>  |        |       |
| 116           | Azoxystrobin  | 2.00   | 0.01  |
| 117           | Kresoxim methyl   | 1.00   | 0.01  |
| 118           | Pyraclostrobin  | 1.00   | 0.01  |
| 119           | Trifloxystrobin   | 5.00   | 0.01  |
| <b>XXI)</b>   | <b>Phenyl pyrazole</b>  |        |       |
| 120           | *Fipronil (sum of fipronil+sulfone metabolite(MB46136)expressed as fipronil)  | 0.005  | 0.005 |
| 120.1         | Fipronil  |        | 0.005 |
| 120.2         | Fipronil sulfone  |        | 0.005 |
| <b>XXII)</b>  | <b>Pyrazole</b>   |        |       |
| 121           | Fenpyroximate   | 0.30   | 0.05  |
| <b>XXIII)</b> | <b>Nitrophenyl ether</b>  |        |       |
| 122           | Oxyfluorfen   | 0.10   | 0.01  |
| <b>XXIV)</b>  | <b>Dinitroaniline</b>   |        |       |
| 123           | *Pendimethalin  | 0.05   | 0.01  |
| 124           | *Trifluralin  | 0.10   | 0.01  |
| <b>XXV)</b>   | <b>Anilide/acetanilide and chloroacetanilide</b>  |        |       |
| 125           | *Alachlor   | 0.05   | 0.02  |
| 126           | Butachlor   | 0.01   | 0.01  |
| 127           | *Carboxin   | 0.05   | 0.02  |
| 128           | *Flufenacet (sum of all compounds containing the N fluorophenyl-NisopropylNisopropyl moiety expressed as flufenacet equivalent) | 0.05   | 0.01  |
| 129           | *Metolachlor (with S-Metolachlor)   | 0.05   | 0.02  |
| 130           | *Novaluron  | 0.01   | 0.01  |
| <b>XXVI)</b>  | <b>Miscellaneous group of chemicals</b>   |        |       |
| 131           | *1-Naphthylacetic acid (alphanaphthyl acetic acid)  | 0.05   | 0.02  |
| 132           | *2,4-D (sum of 2,4-D and its esters expressed as 2,4-D)   | 0.05   | 0.01  |
| 133           | 6-Benzyl adenine  | 0.01   | 0.01  |
| 134           | *Abamectin (sum of avermectin B1a, avermectinB1b and delta-8,9 isomer of avermectin)  | 0.01   | 0.01  |
| 135           | Azadirachtin  | 1.00   | 0.05  |
| 136           | *Bifenazate   | 0.01   | 0.01  |
| 137           | Buprofezin  | 1.00   | 0.01  |
| 138           | Cartap hydrochloride  | 0.01   | 0.01  |
| 139           | *Chlormequat (CCC)  | 0.05   | 0.01  |
| 140           | Diflubenzuron   | 1.00   | 0.05  |
| 141           | †Homobrassinolide   | 0.01   | 0.01  |
| 142           | *Diquat   | 0.05   | 0.02  |
| 143           | Dithianon   | 3.00   | 0.10  |
| 144           | *Dodine   | 0.20   | 0.05  |
| 145           | Emamectin Benzoate  | 0.05   | 0.01  |
| 146           | Ethephon  | 0.70   | 0.50  |
| 147           | Fenazaquin  | 0.20   | 0.10  |
| 148           | *Flubendiamide  | 0.01   | 0.01  |
| 149           | *Forchlorfenuron (CPPU)   | 0.05   | 0.01  |
| 150           | Fosetyl-Al (sum fosetyl + phosphorous acid and their salts, expressed as fosetyl)   | 100.00 | 1.00  |

|               |  |       |      |
|---------------|--|-------|------|
| 151           | Gibberellic acid   | 5.00  | 1.00 |
| 152           | Hexythiazox  | 1.00  | 0.10 |
| 153           | *Hydrogen cyanamide (Cyanamide including salts expressed as cyanamide) | 0.05  | 0.05 |
| 154           | Isoprothiolane   | 0.01  | 0.01 |
| 155           | Mandipropamid  | 2.00  | 0.01 |
| 156           | Mepiquat   | 0.30  | 0.10 |
| 157           | *Metribuzin  | 0.10  | 0.02 |
| 158           | *Milbemectin (sum of MA4+8,9Z-MA4, expressed as milbemectin)           | 0.05  | 0.02 |
| 159           | *Oxadiazon   | 0.05  | 0.02 |
| 160           | *Paraquat  | 0.02  | 0.01 |
| 161           | Propargite   | 7.00  | 0.05 |
| 162           | *Pyriproxyfen  | 0.05  | 0.01 |
| 163           | Spinosad (sum of Spinosyn A+D)   | 0.50  | 0.02 |
| 164           | *Spiromesifen  | 0.02  | 0.01 |
| 165           | Trichlorfon  | 0.50  | 0.10 |
| 166           | *Tricyclazole  | 0.05  | 0.01 |
| 167           | †Uracil  | 1.00  | 1.00 |
| <b>XXVII)</b> | <b>Inorganic</b>   |       |      |
| 168           | Cadmium  | 0.05  | 0.02 |
| 169           | Copper compounds (all copper fungicides as elemental Cu)               | 50.00 | 0.20 |
| 170           | Lead   | 0.20  | 0.10 |
| 171           | ‡Sulphur   | 0.00  | 0.50 |

\* EU-MRL set at LOQ (mg/kg) as per [http://ec.europa.eu/sanco\\_pesticides/public/index.cfm?event=substance.selection](http://ec.europa.eu/sanco_pesticides/public/index.cfm?event=substance.selection)

† These are natural products. EU-MRL does not exist for these chemicals. Hence, their MRL is set at the LOQ of the method developed and validated at the National Referral Laboratory of the NRC for Grapes.

‡ Annex IV: Active substances of plant protection products evaluated under Directive 91/414/EEC for which no MRLs are required because residues arising from use of the active substance are indistinguishable from natural background levels or other sources.