



Endt No. TQ(1)2324/2022

Directorate of Agricultural Development and  
Farmers' Welfare Department, Vikas Bhavan,  
Thiruvananthapuram, Kerala. Date: 31-01-2023.

The following amendments in License No. PD 6/2021 dated: 23-06-2021 issued to **M/s. KERALA STATE CO- OPERATIVE MARKETING FEDERATION LTD.**, Building No. XV/47, Near Municipal Office, Taliparamba, Kannur- 670 141 is effected as detailed below with the same terms and conditions specified in the main licence.

1. The following products added and amended as per Endorsement:

| Sl No                                               | Particulars of the Insecticide   | Number of Certification of Registration             | Date of grant of Licence | Validity of Licence wherever applicable (ML/DL/PC Validity) |
|-----------------------------------------------------|----------------------------------|-----------------------------------------------------|--------------------------|-------------------------------------------------------------|
| 1                                                   | 2                                | 3                                                   | 4                        | 5                                                           |
| <b>Manufacturer : M/s. T.Stanes and Company Ltd</b> |                                  |                                                     |                          |                                                             |
| <b>Distributor : M/s. T.Stanes and Company Ltd</b>  |                                  |                                                     |                          |                                                             |
| 1                                                   | Trichoderma viride 1.15% WP      | CIR-344/2004(944) Trichoderma viride (WP)-30        | 12-10-2004               | Permanent                                                   |
| 2                                                   | Verticillium lecani 1.15% WP     | CIR-731/2007(279) Verticillium lecani (WP)-15       | "                        | "                                                           |
| 3                                                   | Beauveria bassiana 1.15% WP      | CIR-365/2004(246) Beauveria bassiana (WP)-C4        | "                        | "                                                           |
| 4                                                   | Pseudomonas fluorescens 1.75% WP | CIR-1229/2011(321) Pseudomonas fluorescens (WP)-144 | "                        | "                                                           |
| 5                                                   | Verticillium lecani 1.15% L      | CIR-1241/2011(323) Verticillium lecani (LF)-78      | "                        | "                                                           |
| 6                                                   | Beauveria bassiana 1.15% L       | CIR-1225/2011(321) Beauveria bassiana (LF)-86       | "                        | "                                                           |
| 7                                                   | Metarhizium anisopliae 1.5% L    | CIR-1224/2011(321) Metarhizium anisopliae(LF)-12    | "                        | "                                                           |
| 8                                                   | Pseudomonas fluorescens 1.5% L   | CIR-1295/2012(325) Pseudomonas fluorescens (LF)-148 | "                        | "                                                           |

|    |                                    |                                                      |            |           |
|----|------------------------------------|------------------------------------------------------|------------|-----------|
| 9  | Ampelomyces quisqualis<br>2% WP    | CIR-1296/2012(325)<br>Ampelomyces quisqualis (WP)-03 | 12-10-2004 | Permanent |
| 10 | Metarhizium anisopliae<br>11.5% WP | CIR-1304/2012(326) Metarhizium<br>anisopliae (WP)-14 | "          | "         |
| 11 | Trichoderma harzianum<br>1% WP     | CIR-1864/2016(363) Trichoderma<br>harzianum (WP)-440 | "          | "         |

**Manufacturer : M/s. Tropical Agrosystem (I) PVT LTD**

**Distributor : M/s. Tropical Agrosystem**

|    |                                         |                                                   |            |           |
|----|-----------------------------------------|---------------------------------------------------|------------|-----------|
| 12 | Acephate 25% +<br>Fenvalerate 3% EC (R) | CIR-33260/2000/Acephate +<br>Fenvalerate(EC) 687  | 04-07-1972 | Permanent |
| 13 | Acephate 75% SP (R)                     | CIR- 6758/87/Acephate (SP)-81                     | "          | "         |
| 14 | Acetamiprid 20% SP                      | CIR-40152/2002 Acetamiprid (SP)<br>(222)-55       | "          | "         |
| 15 | B P M C 50% EC                          | CIR-32679/2000/BPMC (EC)-36                       | "          | "         |
| 16 | Benfuracarb 3% GR                       | CIR-52826/06-Benfuracarb (GR)<br>(261)-11         | "          | "         |
| 17 | Bifenthrin 10% EC                       | CIR-56354/2007-Bifenthrin (EC)<br>(273)-30        | "          | "         |
| 18 | Bifenthrin 2.5% EC                      | CIR-56356/2007-Bifenthrin (EC)<br>(273)-31        | "          | "         |
| 19 | Bitertanol 25% WP                       | CIR-46051/2003/Bitertanol (WP)<br>(238)-14        | "          | "         |
| 20 | Buprofezin 25% SC                       | CIR-57765/2007-Buprofezin (SC)<br>(278)-7         | "          | "         |
| 21 | Butachlor 50% EC                        | CIR-964/83/Butachlor (EC)-36                      | "          | "         |
| 22 | Captan 50% WP                           | CIR-27707/98/Captan (WP)-132                      | "          | "         |
| 23 | Carbendazim 12% +<br>Mancozeb 63% WP    | CIR-33204/2000/Carbendazim +<br>Mancozeb (WP)-663 | "          | "         |
| 24 | Carbendazim 50% WDP                     | CIR-2014/83 Carbendazim (WDP)-<br>37              | "          | "         |
| 25 | Cartap Hydrochloride 4%<br>GR           | CIR-28725/98/Cartap Hydrochloride<br>(GR)97       | "          | "         |
| 26 | Cartap Hydrochloride 50%<br>SP          | CIR-28709/98/Cartap Hydrochloride<br>(SP)-95      | "          | "         |



|    |                                                        |                                                              |            |           |
|----|--------------------------------------------------------|--------------------------------------------------------------|------------|-----------|
| 27 | Chlorothalonil 75% WP                                  | CIR-29050/98 Chlorothalonil (WP)-41                          | 04-07-1972 | Permanent |
| 28 | Chlorpyrifos 16% +<br>Alphacypermethrin 1.0% EC<br>(R) | CIR-33547/2000/Chlorpyrifos +<br>Alphacypermethrin (EC)-1564 | "          | "         |
| 29 | Chlorpyrifos 20% EC (R)                                | VI-1607(2) Chlorpyrifos (EC)-13                              | "          | "         |
| 30 | Chlorpyrifos 50% +<br>Cypermethrin 5% EC (R)           | CIR-28877/98/Chlorpyrifos 50% +<br>Cypermethrin (EC)-1015    | "          | "         |
| 31 | Chlorpyrifos 50% EC (R)                                | CIR-37077/2001/Chlorpyrifos (EC)-2212                        | "          | "         |
| 32 | Copper Oxy Chloride 50%<br>WP                          | CIR-613/81/COC(WP)-149                                       | "          | "         |
| 33 | Copper Oxy Chloride 56%<br>OP                          | CIR-21251/95/COC(OP)-229                                     | "          | "         |
| 34 | Cypermethrin 0.25% DP (R)                              | CIR-36118/2001/Cypermethrin (DP)-1637                        | "          | "         |
| 35 | Cypermethrin 10% EC (R)                                | CIR-3114/85/Cypermethrin (EC)-38                             | "          | "         |
| 36 | Cypermethrin 25% EC (R)                                | CIR-3218/85/Cypermethrin (EC)-40                             | "          | "         |
| 37 | Cypermethrin 3% +<br>Quinalphos 20% EC (R)             | CIR-31130/99/Cypermethrin +<br>Quinalphos (EC) 1753          | "          | "         |
| 38 | Dalapon 85% WP (W/W)                                   | VI-I 98(23)/Dalapon(WP)-24                                   | "          | "         |
| 39 | Deltamethrin 0.05% +<br>Allethrin 0.04% W/W            | CIR-28494/98/Deltamethrin +<br>Allethrin-220                 | "          | "         |
| 40 | Deltamethrin 2.5% WP                                   | CIR-36113/2001/Deltamethrin (WP)-449                         | "          | "         |
| 41 | Difenthiuron 50% WP                                    | CIR-66254/2011-Difenthiuron (WP)<br>(315)-13                 | "          | "         |
| 42 | Diuron 80% WP (W/W)                                    | VI-198(24) Diuron (WP)-11                                    | "          | "         |
| 43 | Emamectin Benzoate 5%<br>SG                            | CIR-102066/2012-Emamectin<br>Benzoate (SG)(328)-1            | "          | "         |
| 44 | Ethephon 10% Paste                                     | CIR-28892/98/Ethephon (Paste)-141                            | "          | "         |
| 45 | Ethephon 39% SL                                        | CIR-19605/94/Ethephon (SL)-107                               | "          | "         |
| 46 | Ethion 40% + Cypermethrin<br>5% EC (R)                 | CIR-36781/2001/Ethion +<br>Cypermethrin-(EC)-576             | "          | "         |
| 47 | Ethion 50% EC (W/W)                                    | VI-1607(5)Ethion (EC)-25                                     | "          | "         |

|    |                                                   |                                                  |            |           |
|----|---------------------------------------------------|--------------------------------------------------|------------|-----------|
| 48 | Fenvalerate 0.4% DP                               | CIR-28,508/98/Fenvalerate (DP)-1391              | 04-07-1972 | Permanent |
| 49 | Fenvalerate 20% EC                                | CIR-2697/84/Fenvalerate(EC)-21                   | "          | "         |
| 50 | Fenitrothion 50% EC (W/W)                         | VI-1458(2)/Fenitrothion (EC)-150                 | "          | "         |
| 51 | Fipronil 0.3% GR                                  | CIR-46055/2003/Fipronil (GR) (238)-106           | "          | "         |
| 52 | Fipronil 5% SC                                    | CIR-59980/2008-Fipronil (SC) (289)-207           | "          | "         |
| 53 | Fosetyl-AL 80% WP                                 | CIR-13335/91/Fosetyl-AL (WP)-6                   | "          | "         |
| 54 | Hexaconazole 5% EC                                | CIR-29053/98 Hexaconazole (EC)-9                 | "          | "         |
| 55 | Hexaconazole 5% SC                                | CIR-66598/2011-Hexaconazole (CS) (319)688        | "          | "         |
| 56 | Imazethapyr 10% SL                                | CIR-56343/2007-Imazethapyr (SL) (273)-27         | "          | "         |
| 57 | Imidacloprid 17.8% SL                             | CIR-37207/2001/Imidacloprid(SL)-45               | "          | "         |
| 58 | Imidacloprid 2.15% Gel                            | CIR-51532/05-Imidacloprid (Gel) (255)784         | "          | "         |
| 59 | Imidacloprid 30.5% SC                             | CIR-48858/2004/Imidacloprid (SC) (246)-649       | "          | "         |
| 60 | Imidacloprid 48% FS                               | CIR-48022/2004/Imidacloprid (FS) (242)-621       | "          | "         |
| 61 | Imidacloprid 70% WG                               | CIR-57766/2007 Imidacloprid (WG) (278)-1122      | "          | "         |
| 62 | Imidacloprid 70% WS                               | CIR-37217/2001/Imidacloprid (WS)-48              | "          | "         |
| 63 | Indoxacarb 14.5% SC                               | CIR-39,798/2002 Indoxacarb(SC) (222)-21          | "          | "         |
| 64 | Isoproturon 50% WP                                | CIR-3101/85/Isoproturon (WP)-76                  | "          | "         |
| 65 | Isoproturon 75% WP                                | CIR-3102/85/Isoproturon (WP)-75                  | "          | "         |
| 66 | Kitazin 48% EC                                    | CIR-33652/2000/Kitazin (EC)-21                   | "          | "         |
| 67 | Lambda Cyhalothrin 4.9% EC Capsule Suspension (R) | CIR-60772/2010-Lambda Cyhalothrin (CS)(310)-711  | "          | "         |
| 68 | Lambda Cyhalothrin 2.5% EC (R)                    | CIR-42836/2002/Lambda Cyhalothrin (EC) (227)-112 | "          | "         |



|    |                                                               |                                                                                       |            |           |
|----|---------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|-----------|
| 69 | Lambda Cyhalothrin 5% EC<br>(R)                               | CIR-37060/2001/Lambda Cyhalothrin<br>(EC)-8                                           | 04-07-1972 | Permanent |
| 70 | Lufenuron 5.4% EC                                             | CIR-62913/2009-Lufenuron (EC)<br>(301)-7                                              | "          | "         |
| 71 | Malathion 50% EC                                              | 5-64(10) Malathion (EC)-62                                                            | "          | "         |
| 72 | Mancozeb 75% WDP                                              | CIR-2013/83/Mancozeb (WDP)-24                                                         | "          | "         |
| 73 | Metalaxyl + Mancozeb 72%<br>WP                                | CIR-18,718/94 Metalaxyl +<br>Mancozeb (WP)-49                                         | "          | "         |
| 74 | Metalaxyl 35% WS                                              | CIR-21624/95/Metalaxyl (WS)-63                                                        | "          | "         |
| 75 | Metribuzin 70% WP                                             | CIR-28735/98/Metribuzin (WP)-76                                                       | "          | "         |
| 76 | Metsulfuran Methyl 10% +<br>Chlorimuron Ethyl 10% WP          | CIR-65517/2011 Metsulfuran Methyl<br>+ Chlorimuron Ethyl (WP)(314)-246                | "          | "         |
| 77 | Myclobutanil 10% WP                                           | CIR-37107/2001/Myclobutanil (WP)-<br>16                                               | "          | "         |
| 78 | Neem Extract Concentrate<br>Containing Azadirachtin 5%<br>w/w | CIR-62911/2009-Neem Extract<br>Concentrate Containing Azadirachtin<br>(EC)(301)-1313  | "          | "         |
| 79 | Neem Seed kernel Based<br>containing Azadirachtin 1%<br>min   | CIR-62912/2009-Neem Seed kernel<br>Based EC containing Azadirachtin<br>(EC)(301)-1314 | "          | "         |
| 80 | Neem Oil Based EC<br>Azadirachtin 0.03% (300<br>ppm) min.     | CIR-25592/97/Azadirachtin (EC)-67                                                     | "          | "         |
| 81 | Oxy-demeton Methyl 25%<br>EC w/w (Min)                        | CIR-802/82/Oxy-demeton Methyl<br>(EC)-28                                              | "          | "         |
| 82 | Oxyfluorfen 23.5% EC                                          | CIR-34294/2000/Oxyfluorfen (EC)-31                                                    | "          | "         |
| 83 | Penconazole 10% EC                                            | CIR-46054/2003/Penconazole (EC)<br>(238)-16                                           | "          | "         |
| 84 | Pendimethalin 30% EC                                          | CIR-31544/99/Pendimethalin (EC)-<br>74                                                | "          | "         |
| 85 | Permethrin 25% EC                                             | CIR-37126/2001/Permethrin (EC)-88                                                     | "          | "         |
| 86 | Phosalone 35% EC W/W                                          | VI-1607(6) Phosalone (EC)-33                                                          | "          | "         |
| 87 | Pretilachlor 50% EC                                           | CIR-48857/2004/Pretilachlor (EC)<br>(246)-149                                         | "          | "         |
| 88 | Propargite 57% EC                                             | CIR-126649/2015-Propargite (EC)<br>(353)-85                                           | "          | "         |

|     |                                                           |                                                                         |            |           |
|-----|-----------------------------------------------------------|-------------------------------------------------------------------------|------------|-----------|
| 89  | Propiconazole 25% EC                                      | CIR-36211/2001/Propiconazole (EC)-20                                    | 04-07-1972 | Permanent |
| 90  | Propineb 70% WP                                           | CIR-57764/2007/Propineb (WP) (279)-26                                   | "          | "         |
| 91  | Propoxure 1% Spray                                        | CIR-29766/98/Propoxure (HH)-179                                         | "          | "         |
| 92  | Propoxure 2% Aerosol                                      | CIR-28537/98/Propoxure(HH)-168                                          | "          | "         |
| 93  | Spinosad 2.5% SC                                          | CIR-42834/2002/Spinosad(SC)(227)-43                                     | "          | "         |
| 94  | Spinosad 45% SC                                           | CIR-42837/2002/Spinosad (SC) (229)-44                                   | "          | "         |
| 95  | Streptomycin Sulphate + Tetracycline Hydrochloride 9:1 SP | CIR-28876/98/Streptomycin Sulphate + Tetracycline Hydrochloride (SP)-30 | "          | "         |
| 96  | Sulfosulfuran 75% WG                                      | CIR-44073/2003/Sulfosulfuran (WG) (235)-18                              | "          | "         |
| 97  | Sulphur 80% WDG (*)                                       | CIR-52827/06-Sulphur (WDG)(261)-1495                                    | "          | "         |
| 98  | Sulphur 80% WP (*)                                        | CIR-31,094/99/Sulphur (WP)-696                                          | "          | "         |
| 99  | Tebuconazole 2% DS                                        | CIR-51036/2005/Tebuconazole (DS) (253)-24                               | "          | "         |
| 100 | Tebuconazole 25% WG                                       | CIR-129313/2015-Tebuconazole(WG)(353)-180                               | "          | "         |
| 101 | Tebuconazole 25.9% EC                                     | CIR-129322/2015-Tebuconazole (EC)(353)-181                              | "          | "         |
| 102 | Temephos 50% EC                                           | CIR-12644/91/Temephos (EC)-44                                           | "          | "         |
| 103 | Thiacloprid 21.7% SC                                      | CIR-56355/2007-Thiacloprid (SC) (273)-7                                 | "          | "         |
| 104 | Thiamethoxam 70% WS                                       | CIR-41638/2002/Thiamethoxam (WS)(225)-12                                | "          | "         |
| 105 | Thiamethoxam 25% WG                                       | CIR-41126/2002/Thiamethoxam (WG)(225)-8                                 | "          | "         |
| 106 | Thiamethoxam 30% FS                                       | CIR-59595/2008-Thiamethoxam (FS) (287)-331                              | "          | "         |
| 107 | Thiophanate Methyl 70% WP                                 | CIR-23822/96/Thiophanate Methyl (WP)-60                                 | "          | "         |
| 108 | Thiram 75% WS                                             | CIR-2360/84/Thiram (WS)-46                                              | "          | "         |



|     |                                                        |                                                                  |            |           |
|-----|--------------------------------------------------------|------------------------------------------------------------------|------------|-----------|
| 109 | Triaccontanol 0.05% GR                                 | CIR-482/2005(252)/Triaccontanol (GR)-201                         | 04-07-1972 | Permanent |
| 110 | Triaccontanol EW 0.1% Min                              | CIR-60771/2008-Triaccontanol (EW) (292)-417                      | "          | "         |
| 111 | Triadimefon 25% WP                                     | CIR-18717/94/Triadimefon (WP)-21                                 | "          | "         |
| 112 | Validamycin 3% L                                       | CIR-61981/2009-Validamycin (L) (296)-55                          | "          | "         |
| 113 | Zineb 75% WP                                           | 5-198-(14)/Zineb (WP)-51                                         | "          | "         |
| 114 | Ziram 27% CS                                           | CIR-13894/92/Ziram (CS)-59                                       | "          | "         |
| 115 | Ziram 80% WP                                           | CIR-12872/91/Ziram(WP)-51                                        | "          | "         |
| 116 | Trichoderma harzianum 1.0% WP                          | CIR-2093/2017(375)-Trichoderma harzianum(WP)-506                 | "          | "         |
| 117 | Trichoderma viride 1.5% WP                             | CIR-2088/2017(375)-Trichoderma viride (WP)-503                   | "          | "         |
| 118 | Pseudomonas fluorescens 1.0% WP                        | CIR-2089/2017(375)-Pseudomonas fluorescens (WP)-275              | "          | "         |
| 119 | Paecilomyces lilacinus 1% WP                           | CIR-1257/2012(325)-Paecilomyces lilacinus (WP)-27                | "          | "         |
| 120 | Beauveria bassiana 1.15% WP                            | CIR-1352/2012(332)-Beauveria bassiana (WP)-91                    | "          | "         |
| 121 | Thiomethoxam 12.6% + Lambda cyhalothrin 9.5% ZC<br>(R) | CIR-155827/2018 Thiomethoxam + Lambda cyhalothrin (ZC)(392)-1622 | "          | "         |
| 122 | Deltamethrin 2.8% EC                                   | CIR-29052/98 Deltamethrin (EC)-235                               | "          | "         |
| 123 | Deltamethrin 2.5% Flow SC                              | CIR-49800/2005 Deltamethrin (Flow) (250)-832                     | "          | "         |
| 124 | Buprofezin 15% + Acephate 35% WP<br>(R)                | CIR-156223/2018 Buprofezin + Acephate (WP)(9393)-790             | "          | "         |
| 125 | Cartap Hydrochloride 75% SG                            | CIR-149136/2018 Cartap Hydrochloride (SG)(385)-836               | "          | "         |
| 126 | Fenoxaprop-p-ethyl 6.7% w/w EC                         | CIR-156381/2018 Fenoxaprop-p-ethyl (EC)(393)-329                 | "          | "         |
| 127 | Gibberellic acid 0.001% L                              | CIR-152228/2018 Gibberellic acid (L) (389)-608                   | "          | "         |
| 128 | Gibberellic acid TECH                                  | CIR-13719/92 Gibberellic acid (T)-24                             | "          | "         |

|     |                                             |                                                                |            |           |
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| 129 | Hexaconazole 75% WG                         | CIR-149353/2018 Hexaconazole (WG)(386)-941                     | 04-07-1972 | Permanent |
| 130 | Phenthoate 50% EC w/w                       | VI-1607(1) Phenthoate (EC)-47                                  | "          | "         |
| 131 | Pyriproxyfen 10% + Bifenthrin 10% EC        | CIR-159996/2019 Pyriproxyfen 10% + Bifenthrin 10% (EC)(397)-21 | "          | "         |
| 132 | Azoxystrobin 18.2% + Difenconazole 11.4% SC | CIR-165987/2019 Azoxystrobin + Difenconazole (SC)(402)-540     | "          | "         |
| 133 | Azoxystrobin 11% + Tebuconazole 18.3% SC    | CIR-161428/2019 Azoxystrobin + Tebuconazole (SC)(399)-291      | "          | "         |
| 134 | Emamectin Benzoate 9% EC                    | CIR-139750/2017 Emamectin Benzoate (EC)(375)-419               | "          | "         |
| 135 | Paclobutrazol 23% SC                        | CIR-121841/2015 Paclobutrazol (SC) (352)-34                    | "          | "         |
| 136 | Imidacloprid 0.3% GR                        | CIR-159117/2019 Imidacloprid (GR) (395)-2499                   | "          | "         |

(R): Restricted pesticide

(\*): Sulphur formulation

Place: Thiruvananthapuram,

Date : 31-01-2023.



*Ch. di*  
Signature of the Licensing Officer

**JOINT DIRECTOR OF AGRICULTURE (P)  
DIRECTORATE OF AGRICULTURE  
VIKAS BHAVAN TRIVANDRUM**

To

**Sri. Vinu George,**

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