

**CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16**

PESTICIDES OF CONCERN ARE SHADED (Pesticide Action Network defined "Bad Actors")

**Contra Costa County Public Works**

For liquid materials: Gal. used x 8.33 lbs/gal H2O x sp. Grav. x % AI

|   | Name of Product Applied           | EPA or Calif. Registration # | Specific Gravity | % A. I. | Total Lbs A.I. Used FY 00-01 | Total Lbs A.I. Used FY 04-05 | Total Lbs A.I. Used 07-08 | Total Lbs A.I. Used 08-09 | Total Lbs A.I. Used 09-10 | Total Lbs A.I. Used 10-11 | Total Lbs A.I. Used 11-12 | Total Lbs A.I. Used 12-13 | Total Lbs A.I. Used 13-14 | Amt Used  | Total Lbs A.I. | Amt Used  | Total Lbs A.I. |  |
|---|-----------------------------------|------------------------------|------------------|---------|------------------------------|------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------|----------------|-----------|----------------|--|
|   |                                   |                              |                  |         |                              |                              |                           |                           |                           |                           |                           |                           |                           | FY 14-15  | Used 14-15     | FY 15-16  | Used 15-16     |  |
| <i>Liquid Materials</i>                                       |                                   |                              |                  |         |                              |                              |                           |                           |                           |                           |                           |                           |                           | (gallons) |                | (gallons) |                |  |
| Adjuvant  | Activator 90                      | 36208-50014                  | 1.040            | 90.000  | 4786.31                      | 3592.41                      | 4248.36                   | 3381.90                   |                           |                           |                           |                           |                           |           |                |           |                |  |
| Adjuvant  | Agri-Dex                          | 5905-50094-AA                | 0.879            | 99.000  |                              |                              |                           |                           |                           |                           |                           |                           |                           |           |                | 84.75     | 614.34         |  |
| Glyphosate, isopropylamine salt                               | AquaMaster                        | 524-343                      | 1.205            | 53.800  |                              |                              | 814.09                    | 662.88                    | 487.37                    | 322.67                    | 446.22                    | 301.06                    | 255.16                    | 26.38     | 142.46         |           |                |  |
|   | Chemtrol                          | 36208-50015                  | 0.995            | 1.000   | 1.16                         |                              |                           |                           |                           |                           | 1.82                      |                           | 0.70                      |           |                |           |                |  |
| Sodium salt of Imazxamox                                      | Clearcast                         | 241-437-AA-67690             | 1.049            | 12.100  |                              |                              |                           |                           |                           |                           |                           |                           | 5.29                      | 3.50      | 3.70           | 3.31      | 3.50           |  |
| Copper ethanalamine complexes, mixed                          | Citrine Plus                      | 8959-10-AA                   | 1.206            | 9.000   | 58.78                        |                              | 40.69                     |                           |                           |                           |                           | 6.78                      | 4.52                      |           |                |           |                |  |
| Dithiopyr   | Dimension 2EW                     | 62719-542-AA                 | 1.001            | 24.000  |                              |                              |                           |                           |                           |                           |                           |                           |                           |           |                | 0.31      | 0.62           |  |
| Indaziflam  | Esplanade 200 SC                  | 432-1516-AA                  | 1.050            | 19.050  |                              |                              |                           |                           |                           |                           |                           | 4.17                      | 41.66                     | 25.14     | 41.89          | 28.44     | 47.39          |  |
| Adjuvant  | Foam Fighter F                    | 36208-50015                  | 0.995            | 5.000   | 0.52                         |                              | 0.52                      |                           |                           |                           |                           |                           |                           |           |                |           |                |  |
| Dimethyl silicone fluid emulsion                              | Foam Fighter F                    | 36208-50003, 72-50005-AA     | 1.000            | 10.000  |                              |                              |                           | 0.94                      | 0.62                      | 0.62                      | 0.42                      | 0.73                      | 0.52                      |           |                |           |                |  |
| Triclopyr triethylamine salt                                  | Garlon 3A                         | 62719-37-ZA                  | 1.135            | 44.400  | 268.66                       | 459.66                       | 1862.78                   | 1547.95                   | 2048.03                   | 1165.94                   | 757.71                    | 1008.02                   | 502.44                    | 166.75    | 699.99         | 153.13    | 642.81         |  |
| Triclopyr BEE   | Garlon 4                          | 62719-40                     | 1.060            | 61.600  | 278.76                       | 67.28                        | 155.02                    | 106.77                    | 111.50                    | 1.36                      | 2.72                      | 10.88                     | 19.04                     |           |                |           |                |  |
| Oxyfluorfen   | Goal                              | 707-174                      | 0.990            | 19.400  | 3.20                         |                              |                           |                           |                           |                           |                           |                           |                           |           |                |           |                |  |
| Oxyfluorfen   | Goal Tender                       | 62719-447-ZA                 | 1.170            | 41.000  |                              |                              |                           | 7.99                      |                           |                           | 16.50                     | 2.00                      |                           |           |                | 13.38     | 53.47          |  |
| Oxyfluorfen   | Goal                              | 707-243                      | 1.120            | 22.000  |                              |                              | 13.34                     |                           |                           |                           |                           |                           |                           |           |                |           |                |  |
| Imazapyr, isopropylamine salt                                 | Habitat                           | 241-426-AA                   | 1.068            | 28.700  |                              |                              |                           | 5.75                      | 17.08                     | 34.40                     | 13.10                     | 5.75                      | 2.25                      | 2.19      | 5.59           | 3.55      | 9.07           |  |
| Heavy-range paraffin based petroleum oil+nonionic emulsifiers | Helena Agri-Dex                   | 5905-50017-AA                | 0.879            | 99.000  |                              |                              |                           |                           |                           |                           |                           |                           |                           | 2.00      | 14.50          |           |                |  |
| Aminopyralid, tri isopropanolamine salt                       | Milestone                         | 62719-519-AA                 | 1.140            | 40.600  |                              |                              |                           |                           |                           |                           |                           |                           |                           |           |                | 4.75      | 18.31          |  |
| Aminopyralid, tri isopropanolamine salt                       | Milestone VM                      | 62719-537-AA                 | 1.140            | 40.600  |                              |                              | 173.26                    | 238.42                    | 241.39                    | 229.05                    | 225.43                    | 120.12                    | 57.36                     | 13.09     | 50.48          | 8.72      | 33.63          |  |
| Adjuvant  | M.O.C. Methylated Oil Concentrate | 5905-50095-AA                | 0.891            | 100.000 |                              |                              |                           |                           |                           |                           |                           |                           |                           |           |                | 2.75      | 20.41          |  |
| Adjuvant  | MSO Conc w/Leci-Tech              | 34704-50053-AA               | 0.900            | 100.000 |                              |                              |                           |                           |                           |                           |                           |                           |                           | 0.38      | 2.85           |           |                |  |
| Adjuvant  | No Foam A                         | 11656-50086-ZA & AA          | 1.050            | 90.000  |                              |                              |                           | 253.87                    | 2731.53                   | 2292.68                   | 2267.57                   | 2290.71                   | 1817.22                   | 209.00    | 1645.22        | 121.75    | 958.40         |  |
| Adjuvant  | No Foam A                         | 1050775-50015-AA             | 1.060            | 90.000  |                              |                              |                           |                           |                           |                           |                           |                           |                           |           |                | 0.5       | 3.97           |  |
| Pendimethalin   | Pendulum Aquacap                  | 241-416-AA                   | 1.175            | 38.700  |                              | 121.21                       |                           |                           |                           |                           | 28.41                     |                           |                           |           |                | 5.00      | 18.94          |  |
| Sethoxydim  | Poast                             | 7969-58                      | 0.935            | 18.000  |                              | 5.61                         | 20.33                     |                           |                           |                           |                           |                           |                           |           |                |           |                |  |
| Imazapyr, isopropylamine salt                                 | Polaris                           | 228-534-AA                   | 1.057            | 27.700  |                              |                              |                           |                           |                           |                           |                           | 26.83                     | 29.32                     |           |                | 0.33      | 0.80           |  |
| Triclopyr TEA   | Renovate 3                        | 62719-37-67690               | 1.140            | 44.400  |                              | 277.27                       | 324.71                    | 309.95                    | 171.84                    | 137.05                    | 183.44                    | 145.49                    | 366.88                    | 35.13     | 148.15         | 27.63     | 116.52         |  |
| Glyphosate,   | Rodeo                             | 524-343                      | 1.205            | 53.800  | 1193.46                      | 660.83                       |                           |                           |                           |                           |                           |                           |                           |           |                |           |                |  |
| Glyphosate, isopropylamine salt                               | Roundup Custom                    | 524-343-ZC & ZG              | 1.206            | 53.800  |                              |                              |                           |                           |                           |                           |                           |                           |                           | 29.94     | 161.82         | 49.19     | 265.86         |  |
|   | Roundup Pro                       | 524-475-ZA & ZB              | 1.170            | 41.000  | 2041.43                      |                              |                           |                           |                           |                           |                           |                           |                           | 12.00     | 47.96          | 36.63     | 146.41         |  |
| Glyphosate, isopropylamine salt                               | Roundup Pro Conc.                 | 524-529                      | 1.199            | 50.200  |                              | 2352.35                      | 588.28                    | 1153.95                   | 937.84                    | 1006.75                   | 1092.55                   | 1496.00                   | 1369.00                   | 240.75    | 1206.57        | 238.63    | 1195.95        |  |
| Glyphosate, isopropylamine salt                               | Roundup Tough Weed Formula        | 239-2636                     | 1.070            | 18.000  |                              |                              |                           |                           |                           |                           |                           | 98.07                     |                           |           |                |           |                |  |
| Maleic hydrazide  | Royal Slo Gro                     | 400-94-AA                    | 1.135            | 21.700  |                              |                              |                           |                           |                           |                           |                           | 41.03                     |                           |           |                |           |                |  |
| Imazapyr, isopropylamine salt                                 | Stalker                           | 241-398                      | 1.050            | 27.600  | 13.58                        | 318.05                       | 20.98                     | 9.05                      |                           |                           |                           |                           |                           |           |                |           |                |  |

**CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16**

**Contra Costa County Public Works (continued)**

|                                 | Name of Product Applied | EPA or Calif. Registration # | Specific Gravity | % A. I. | Total Lbs A.I. Used FY 00-01 | Total Lbs A.I. Used FY 04-05 | Total Lbs A.I. Used 07-08 | Total Lbs A.I. Used 08-09 | Total Lbs A.I. Used 09-10 | Total Lbs A.I. Used 10-11 | Total Lbs A.I. Used 11-12 | Total Lbs A.I. Used 12-13 | Total Lbs A.I. Used 13-14 | Amt Used  |                | Total Lbs A.I. |                |      |
|---------------------------------|-------------------------|------------------------------|------------------|---------|------------------------------|------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------|----------------|----------------|----------------|------|
|                                 |                         |                              |                  |         |                              |                              |                           |                           |                           |                           |                           |                           |                           | FY 14-15  | Used 14-15     | FY 15-16       | Used 15-16     |      |
| <b>Liquid Materials</b>         |                         |                              |                  |         |                              |                              |                           |                           |                           |                           |                           |                           |                           | (gallons) |                | (gallons)      |                |      |
| Adjuvant                        | Silicone Super Wetter   | 17545-50029-AA               | 0.994            | 100.000 |                              |                              |                           |                           |                           |                           |                           |                           | 1.57                      |           |                |                |                |      |
| Adjuvant                        | Silwet L-77             | 36208-50025                  | 1.007            | 100.000 | 14.26                        |                              | 8.39                      |                           |                           |                           |                           | 15.77                     |                           |           |                |                |                |      |
| Oryzalin                        | Surflan A.S.            | 62719-113                    | 1.188            | 40.400  | 56.97                        | 39.98                        |                           |                           |                           |                           |                           |                           |                           |           |                |                |                |      |
| Oryzalin                        | Surflan A.S.            | 70506-44                     | 1.236            | 40.400  |                              |                              | 112.33                    | 87.36                     | 47.84                     | 33.28                     | 2.08                      |                           |                           | 12.00     | 49.92          |                |                |      |
| Adjuvant/Surfactant             | Surphtac                | 68891-50001-AA               | 1.118            | 53.400  | 197.06                       | 189.57                       |                           |                           |                           |                           |                           |                           |                           |           |                |                |                |      |
| Adjuvant/Surfactant             | Surphtac                | 11656-50093                  | 1.180            | 53.400  |                              |                              | 112.85                    | 190.95                    | 181.77                    | 129.28                    | 168.65                    | 173.90                    | 152.22                    | 20.81     | 109.23         | 11.56          | 60.68          |      |
| Adjuvant/Surfactant             | Surphtac                | 34704-50086                  | 1.096            | 33.000  |                              |                              |                           |                           |                           |                           |                           |                           |                           |           |                | 9.56           | 28.80          |      |
| Clopyralid                      | Transline               | 62719-259                    | 1.161            | 40.900  | 89.00                        | 286.77                       | 48.81                     | 6.17                      |                           |                           |                           |                           |                           |           |                |                |                |      |
| Adjuvant                        | Unfoamer                | 34704-50062-AA               | 1.000            | 12.500  |                              |                              |                           |                           |                           |                           |                           |                           |                           | 0.5       | 0.52           | 0.13           | 0.14           |      |
|                                 | Vanquish                | 55947-46                     | 1.250            | 56.800  | 1360.29                      |                              |                           |                           |                           |                           |                           |                           |                           |           |                |                |                |      |
| Dicamba, diglycolamine salt     | Vanquish                | 228-397                      | 1.250            | 56.800  |                              |                              | 906.37                    | 707.53                    | 97.59                     |                           | 40.69                     | 333.45                    | 4.44                      | 24.56     | 145.26         | 7.5            | 44.36          |      |
|                                 | Weedar 64               | 71368-1-264                  | 1.160            | 38.900  | 1979.96                      | 357.09                       | 18.79                     |                           |                           |                           |                           |                           |                           |           |                |                |                |      |
| <b>Dry Materials</b>            |                         |                              |                  |         |                              |                              |                           |                           |                           |                           |                           |                           |                           | (pounds)  |                | (pounds)       |                |      |
|                                 | Dimension Ultra 40 WP   | 62719-445                    | N/A              | 40.000  |                              | 0.00                         |                           |                           |                           |                           |                           |                           |                           |           |                |                | 3.75           | 1.50 |
|                                 | Diuron 80DF             | 66222-51                     | N/A              | 80.000  |                              |                              | 960.00                    | 640.00                    |                           |                           |                           |                           |                           |           |                |                |                |      |
|                                 | Direx 80DF              | 352-508-1812                 | N/A              | 80.000  | 2300.00                      |                              |                           |                           |                           |                           |                           |                           |                           |           |                |                |                |      |
|                                 | Endurance               | 55947-43                     | N/A              | 65.000  | 983.45                       | 52.00                        |                           |                           |                           |                           |                           |                           |                           |           |                |                |                |      |
| Prodiamine                      | Endurance               | 228-398                      | N/A              | 65.000  |                              |                              | 1194.05                   | 789.75                    | 855.40                    | 689.00                    |                           |                           |                           |           |                |                |                |      |
| Isoxaben                        | Gallery 75DF            | 62719-145                    | N/A              | 75.000  | 40.50                        | 39.00                        | 51.75                     | 59.25                     | 54.75                     | 2.63                      | 3.00                      | 15.75                     | 11.25                     | 48.50     | 36.38          |                |                |      |
|                                 | Gallery SC              | 62719-658 AA                 | N/A              | 45.450  |                              |                              |                           |                           |                           |                           |                           |                           |                           | 13.00     | 5.91           | 452.50         | 205.66         |      |
| Sulfometuron methyl             | Oust                    | 352-401                      | N/A              | 75.000  | 20.53                        | 137.25                       | 152.25                    | 108.12                    | 76.55                     |                           |                           |                           |                           |           |                |                |                |      |
|                                 | Oust XP                 | 352-601                      | N/A              | 75.000  |                              |                              |                           |                           |                           | 75.85                     | 96.61                     | 14.25                     | 9.56                      |           |                |                |                |      |
|                                 | Predict                 | 55947-78                     | N/A              | 78.600  | 389.07                       |                              |                           |                           |                           |                           |                           |                           |                           |           |                |                |                |      |
| Prodiamine                      | ProClipse 65 WDG        | 228-434                      | N/A              | 65.000  |                              |                              |                           |                           |                           | 201.50                    | 361.40                    | 448.50                    | 31.20                     | 383.00    | 248.95         |                |                |      |
| Prodiamine                      | Resolute 65WG           | 100-834-ZE                   | N/A              | 65.000  |                              |                              |                           |                           |                           |                           |                           |                           |                           |           |                | 148.00         | 96.20          |      |
|                                 | Ronstar 50WSP           | 264-538                      | N/A              | 50.000  | 60.00                        |                              |                           |                           |                           |                           |                           |                           |                           |           |                |                |                |      |
|                                 | Simtrol 90DF            | 35915-12-60063               | N/A              | 90.000  | 387.00                       |                              |                           |                           |                           |                           |                           |                           |                           |           |                |                |                |      |
| Tebuthiuron                     | Spike 80DF              | 62719-107                    | N/A              | 80.000  | 48.00                        | 72.00                        | 48.00                     | 96.00                     | 96.00                     | 105.60                    |                           |                           |                           |           |                | 24.00          | 19.20          |      |
| Chlorsulfuron                   | Telar DF                | 352-522-ZA                   | N/A              | 75.000  |                              |                              |                           |                           |                           |                           |                           |                           |                           | 1.00      | 0.75           |                |                |      |
| Chlorsulfuron                   | Telar XP                | 352-654-AA                   | N/A              | 75.000  |                              |                              |                           |                           |                           | 4.88                      | 5.16                      | 6.00                      | 6.76                      | 16.00     | 12.00          | 0.63           | 0.47           |      |
| Chlorsulfuron                   | Telar                   | 352-404                      | N/A              | 75.000  | 19.031                       | 10.448                       | 13.313                    | 10.88                     |                           | 6.38                      |                           |                           |                           |           |                |                |                |      |
| <b>TOTAL:</b>                   |                         |                              |                  |         | <b>16590.97</b>              | <b>12589.20</b>              | <b>11889.25</b>           | <b>10367.44</b>           | <b>8165.12</b>            | <b>6438.92</b>            | <b>5713.48</b>            | <b>6565.25</b>            | <b>4688.34</b>            |           | <b>4780.08</b> |                | <b>4607.39</b> |      |
| "Bad Actors" w/May 2013 changes |                         |                              |                  |         | 5764.53                      | 2653.88                      | 3493.47                   | 2883.09                   | 2545.49                   | 1582.41                   | 1117.04                   | 1340.19                   | 1032.82                   |           | 1020.03        |                | 779.00         |      |

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

Contra Costa County Public Works, Special Districts

| Name of Product Applied                        | EPA or Calif. Reg #                       | Specific Gravity | % A.I. | Total Lbs A.I. Used FY 07-08 & before | Amt Used FY 08-09 | Total Lbs A.I. Used 08-09 | Total Lbs A.I. Used 09-10 | Total Lbs A.I. Used 10-11 | Total Lbs A.I. Used 11-12 | Total Lbs A.I. Used 12-13 | Total Lbs A.I. Used 13-14 | Amt Used FY 14-15 (gallons) | Total Lbs A.I. Used 14-15 | Amt Used FY 15-16 (gallons) | Total Lbs A.I. Used 15-16 |
|--|---|------------------|--------|---------------------------------------|-------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|
| <b>Liquid Materials</b>                        |   |                  |        |                                       |                   |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Gal. used x 8.33 lbs/gal H2O x sp. Grav. x %AI |   |                  |        |                                       |                   |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Glyphosate                                     | Roundup ProMax                            | 524-579          | 1.36   | 48.7                                  | no data           | 0.00                      | 0.00                      | 0.00                      | 26.45                     |                           |                           |                             |                           |                             |                           |
| <b>Dry Materials</b>                           |   |                  |        |                                       |                   |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Amt. used x % AI (pounds)                      |   |                  |        |                                       |                   |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Bromethelin                                    | Talpid Mole Bait                          | 12455-101        | N/A    | 0.025                                 | no data           |                           |                           |                           | 0.000008                  |                           |                           |                             |                           |                             |                           |
| Chlorphacinone                                 | Chlorophacinone                           | 11071-CA-001     | N/A    | 0.005                                 | no data           |                           |                           |                           |                           | 0.00220                   |                           |                             |                           |                             |                           |
| Chlorphacinone                                 | Chlorophacinone Treated Grain Rodent Bait | 10965-50004ZA    | N/A    | 0.005                                 | no data           | 0.00                      | 0.00                      | 0.00                      | 0.000190                  | 0.0014375                 |                           |                             |                           |                             |                           |
| Diphacinone                                    | Diphacinone Treated Grain Rodent Bait     | 10965-50003      | N/A    | 0.010                                 | no data           |                           |                           |                           | 0.0001500                 |                           |                           |                             |                           |                             |                           |
| Diphacinone                                    | Diphacinone Treated Grain Rodent Bait     | 10965-50001-ZA   | N/A    | 0.005                                 | no data           |                           |                           |                           |                           | 0.00375                   | 0.00225                   | 29.00                       | 0.00145                   | 1.00                        | 0.00005                   |
| Diphacinone                                    | Eaton's Answer                            | 56-57            | N/A    | 0.005                                 | no data           | 46.50                     | 0.002325                  | 0.00210                   | 0.0009750                 | 0.00095                   | 0.00195                   | 16.00                       | 0.00080                   | 17.00                       | 0.00085                   |
| Diphacinone                                    | Eaton's Bait Blocks                       | 56-42            | N/A    | 0.005                                 | no data           | 2.00                      | 0.0001                    | 0.000250                  | 0.00020                   | 0.00060                   | 0.00020                   | 8.50                        | 0.00043                   | 9.50                        | 0.00048                   |
| Aluminum phosphide                             | Fumitoxin                                 | 72959-1-5857     | N/A    | 55.000                                | no data           | 0.00                      | 0.00                      | 0.00                      | 0.81                      |                           |                           |                             |                           |                             |                           |
| Strychnine Alkaloid                            | Gopher Getter AG Bait                     | 36029-7          | N/A    | 0.500                                 | no data           | 0.00                      | 0.00                      | 0.00                      | 0.0020                    |                           |                           |                             |                           |                             |                           |
| Diphacinone                                    | Gopher Getter Type 2 AG Bait              | 36029-23         | N/A    | 0.005                                 | no data           | 0.00                      | 0.00                      | 0.00                      | 0.0002                    |                           |                           |                             |                           |                             |                           |
| Diphacinone                                    | Gopher Getter Type 2 AG Bait              | 36029-24         | N/A    | 0.005                                 | no data           |                           |                           |                           | 0.0004025                 | 0.00009                   |                           |                             |                           |                             |                           |
| Diphacinone                                    | P.C.Q. Pelleted Rodent Bait               | 12455-50003-AA   | N/A    | 0.010                                 | no data           |                           |                           |                           | 0.0005000                 | 0.00365                   |                           |                             |                           |                             |                           |
| Aluminum phosphide                             | Phostoxin                                 | 72959-4          | N/A    | no data                               | 19.62             | 10.79                     | 9.20                      |                           |                           |                           |                           |                             |                           |                             |                           |
| Oxadiazon                                      | Ronstar G                                 | 432-886          | N/A    | 2.000                                 | no data           |                           |                           | 6.00                      |                           |                           |                           |                             |                           |                             |                           |
| Chlorphacinone                                 | Rozol                                     | 7173-242         | N/A    | 0.005                                 | no data           |                           |                           |                           |                           | 0.00010                   |                           |                             |                           |                             |                           |
| Aluminum phosphide                             | Weevil-cide                               | 70506-13         | N/A    | 60.000                                | no data           | 0.00                      | 0.00                      | 0.66                      | 11.64                     | 6.7320000                 | 7.140                     | 1.59000                     |                           |                             |                           |
| Zinc phosphide                                 | ZP Rodent Bait AG                         | 12455-17         | N/A    | 2.000                                 | no data           | 0.000                     | 0.000                     | 0.000                     | 0.02                      |                           |                           |                             |                           |                             |                           |
| <b>TOTAL</b>                                   |   |                  |        |                                       |                   | <b>10.79</b>              | <b>9.86</b>               | <b>44.92</b>              | <b>6.735666</b>           | <b>7.151343</b>           | <b>1.594400</b>           | <b>0.00268</b>              | <b>0.00138</b>            |                             |                           |
| "Bad Actors" w/May 2013 changes                |   |                  |        |                                       |                   | 10.79                     | 9.86                      | 12.47                     | 6.73                      | 7.14                      | 1.59                      | 0.04 oz                     | 0.02                      |                             |                           |
|  |   |                  |        |                                       |                   |                           |                           |                           |                           |                           |                           | 0.00                        | 0.00                      |                             |                           |

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

Contra Costa County Department of Agriculture

Gal. used x 8.33 lbs/gal H2O x sp. Grav. x %AI

|  | Name of Product Applied            | EPA or Calif. Registration # | Specific Gravity | % A. I. | Total Lbs A.I. Used FY 00-01 | Total Lbs A.I. Used FY 04-05 | Total Lbs A.I. Used FY 07-08 | Total Lbs A.I. Used 08-09 | Total Lbs A.I. Used 09-10 | Total Lbs A.I. Used 10-11 | Total Lbs A.I. Used 11-12 | Total Lbs A.I. Used 12-13 | Total Lbs A.I. Used 13-14 | Amt Used FY 14-15 (gallons) | Total Lbs A.I. Used 14-15 | Amt Used FY 15-16 (gallons) | Total Lbs A.I. Used 15-16 |
|--|------------------------------------|------------------------------|------------------|---------|------------------------------|------------------------------|------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|
| <i>Liquid Materials</i>  |                                    |                              |                  |         |                              |                              |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| glyphosate   | Aquamaster                         | 524-343                      | 1.205            | 53.80   |                              |                              |                              |                           |                           |                           |                           | 5.29                      | 16.85                     |                             |                           |                             |                           |
| glyphosate   | Aqua Neat                          | 228-365-AA                   | 1.224            | 53.80   |                              | 1.15                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| glyphosate   | Aqua Neat                          | 228-365-4581                 | 1.201            | 53.80   |                              |                              |                              |                           |                           |                           | 26.91                     |                           |                           |                             |                           |                             |                           |
| esfenvalerate  | Asana XL                           | 352-515                      | 0.930            | 8.40    |                              | 0.00                         |                              | 0.09                      | 0.01                      |                           |                           |                           |                           |                             |                           |                             |                           |
| Dicamba & 2,4 D  | Banvel                             | 55947-1                      | 1.211            | 48.20   | 72.51                        | 0.00                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
|  | 2,4-D                              | 34704-5                      | 1.163            | 46.50   | 24.78                        | 87.30                        |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
|  | Bivert                             | 2935-50157-AA                | 0.790            | 100.00  | 6.12                         | 0.00                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
|  | Carbaryl ("7")                     | 54705-4                      | 1.100            | 41.20   | 30.01                        | 0.00                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| dicamba, diglycolamine salt  | Clarity                            | 7969-137                     | 1.250            | 58.10   |                              | 719.91                       | 425.96                       | 174.84                    | 286.87                    | 400.67                    | 281.73                    | 230.61                    | 152.45                    | 14.76                       | 89.29                     | 2.55                        | 15.43                     |
| Triclopyr, butoxyethyl ester   | Garlon 4 Ultra                     | 62719-527                    | 1.110            | 60.45   |                              |                              |                              |                           |                           |                           |                           |                           |                           |                             |                           | 8.85                        | 49.47                     |
| Triclopyr, butoxyethyl ester   | Garlon 4                           | 464-554                      | 1.082            | 61.60   | 13.88                        | 0.00                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| imazapyr isopropylamine salt   | Habitat                            | 241-426                      | 1.068            | 28.70   | 0.00                         | 0.00                         | 1.33                         | 1.20                      | 0.72                      | 1.35                      | 0.26                      | 0.92                      | 0.23                      |                             |                           |                             |                           |
| surfactant   | Hasten                             | 2935-50160                   | 0.900            | 100.00  |                              |                              |                              |                           |                           | 1.20                      | 0.15                      |                           |                           |                             |                           |                             |                           |
| Adjuvant   | Herbicide Activator (First Choice) | 11656-50024-ZC               | 0.900            | 100.00  |                              | 0.00                         |                              | 0.94                      |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Drift retardant-oils   | In Place                           | 2935-50169                   | 0.880            | 100.00  |                              |                              |                              |                           |                           |                           |                           | 59.45                     | 45.82                     | 0.41                        | 2.98                      |                             |                           |
| Aminopyralid, trisopropanolammonium salt                                 | Milestone                          | 62719-519                    | 1.140            | 40.60   |                              | 0.00                         | 33.74                        | 10.60                     | 38.06                     | 43.42                     | 17.70                     | 21.52                     | 24.18                     | 3.13                        | 12.07                     | 0.98                        | 3.78                      |
| Aminopyralid, trisopropanolammonium salt & triclopyr, triethylamine salt | Milestone VM Plus                  | 62719-572                    | 1.140            | 18.44   |                              | 0.00                         |                              | 7.88                      | 8.91                      | 0.09                      | 6.57                      |                           |                           |                             |                           |                             |                           |
| surfactant   | Pro-Tron                           | 71058-50008-AA               | 0.984            | 95.00   |                              |                              |                              |                           |                           | 195.84                    | 51.47                     | 137.75                    | 165.86                    | 4.93                        | 38.39                     | 0.11                        | 0.86                      |
| Adjuvant   | R-11                               | 2935-50142-AA                | 1.020            | 90.00   | 389.99                       | 216.48                       | 180.09                       | 71.80                     | 170.14                    | 1.76                      |                           |                           |                           |                             |                           |                             |                           |
| Clopyralid, triethylamine salt & triclopyr, triethylamine salt           | Redeem                             | 62719-337                    | 1.140            | 45.10   |                              | 19.28                        |                              |                           | 0.30                      |                           |                           |                           |                           |                             |                           |                             |                           |
| Glyphosate, isopropylamine salt  | Rodeo                              | 524-343                      | 1.205            | 53.80   | 13.50                        | 0.00                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Glyphosate, isopropylamine salt  | Roundup Pro                        | 524-475                      | 1.170            | 41.00   | 276.35                       | 75.90                        | 104.04                       | 195.97                    | 182.66                    |                           |                           |                           |                           |                             |                           |                             |                           |
| Glyphosate, isopropylamine salt  | Roundup Pro Conc.                  | 524-529                      | 1.199            | 50.20   |                              |                              |                              |                           |                           | 152.67                    | 149.51                    | 63.88                     | 85.84                     | 1.69                        | 8.47                      | 1.09                        | 5.47                      |
| imazapyr isopropylamine salt   | Stalker                            | 241-296                      | 1.060            | 27.60   |                              | 0.00                         |                              | 0.30                      | 0.56                      |                           |                           |                           |                           |                             |                           |                             |                           |
| imazapyr isopropylamine salt   | Stalker                            | 241-398                      | 1.060            | 27.60   |                              |                              |                              |                           |                           |                           | 1.61                      | 0.71                      |                           | 0.0004                      | 0.001                     |                             |                           |

**CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16**

**Contra Costa County Department of Agriculture (continued)**

| Name of Product Applied          | EPA or Calif. Registration # | Specific Gravity | % A. I. | Total Lbs A.I. Used FY 00-01    | Total Lbs A.I. Used FY 04-05 | Total Lbs A.I. Used FY 07-08 | Total Lbs A.I. Used 08-09 | Total Lbs A.I. Used 09-10 | Total Lbs A.I. Used 10-11 | Total Lbs A.I. Used 11-12 | Total Lbs A.I. Used 12-13 | Total Lbs A.I. Used 13-14 | FY 14-15      | Total Lbs A.I. Used 14-15 | FY 15-16     | Total Lbs A.I. Used 15-16 |         |  |
|----------------------------------|------------------------------|------------------|---------|---------------------------------|------------------------------|------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------|---------------------------|--------------|---------------------------|---------|--|
| <b>Liquid Materials</b>          |                              |                  |         |                                 |                              |                              |                           |                           |                           |                           |                           |                           | (gallons)     |                           | (gallons)    |                           |         |  |
| Picloram potassium salt          | Tordon 22K                   | 464-323          | 1.140   | 24.40                           | 3.55                         | 0.00                         |                           |                           |                           |                           |                           |                           |               |                           |              |                           |         |  |
| Clpyralid, monoethanolamine salt | Transline                    | 62719-259        | 1.161   | 40.90                           | 277.99                       | 13.92                        | 0.03                      | 0.01                      |                           |                           |                           |                           |               |                           |              |                           |         |  |
| Adjuvant                         | Tri-Fol Buffer               | 2935-50152-AA    | 1.120   | 34.00                           |                              | 0.00                         | 0.25                      |                           |                           |                           |                           |                           |               |                           |              |                           |         |  |
| dicamba, diglycolamine salt      | Vanquish                     | 55947-46         | 1.250   | 56.80                           | 299.20                       | 0.00                         | 1.83                      | 0.24                      |                           |                           |                           |                           |               |                           |              |                           |         |  |
| dicamba, diglycolamine salt      | Vanquish                     | 100-884          | 1.250   | 56.80                           |                              |                              |                           | 0.35                      |                           |                           |                           |                           |               |                           |              |                           |         |  |
| Triclopyr, butoxyethyl ester     | Remedy                       | 62719-552        | 1.080   | 61.60                           |                              | 0.00                         | 16.63                     |                           |                           |                           |                           |                           |               |                           |              |                           |         |  |
| <b>Dry Materials</b>             |                              |                  |         |                                 |                              |                              |                           |                           |                           |                           |                           |                           | (pounds)      |                           | (pounds)     |                           |         |  |
|                                  |                              |                  |         | Amt . Used x %AI                |                              |                              |                           |                           |                           |                           |                           |                           |               |                           |              |                           |         |  |
| Diphacinone                      | Diphacinone .005%            | 10965-50001-ZA   | N/A     | 0.005                           | 0.04                         | 0.01                         | 0.03                      | 0.04                      | 0.03                      | 0.00                      | 0.23                      | 0.09                      | 0.07          | 260                       | 0.013        | 731.00                    | 0.03655 |  |
| Diphacinone                      | Diphacinone .01%             | 10965-50003-ZA   | N/A     | 0.01                            | 1.57                         | 2.56                         | 2.58                      | 2.34                      | 2.78                      | 3.37                      | 3.10                      | 2.75                      | 1.31          | 27109                     | 2.71         | 11888.50                  | 1.18885 |  |
| Sodium nitrate, charcoal         | Gas Cartridge                | 56228-2          | N/A     | 81.00                           |                              | 0.00                         | 2.58                      |                           | 1.94                      | 2.07                      | 4.56                      | 5.47                      |               |                           |              |                           |         |  |
| Imidacloprid                     | Merit 75WSP                  | 3125-439         | N/A     | 75.00                           | 10.19                        | 0.00                         |                           |                           |                           |                           |                           |                           |               |                           |              |                           |         |  |
| Chlorsulfuron                    | Telar                        | 352-522          | N/A     | 75.00                           |                              | 0.77                         | 0.14                      | 0.29                      | 0.18                      | 0.89                      | 0.93                      | 5.84                      | 8.09          | 1.05                      | 0.79         |                           |         |  |
| Picloram potassium salt          | Tordon 10K                   | 464-320          | N/A     | 11.60                           | 0.99                         | 0.23                         |                           |                           | 0.36                      | 0.06                      |                           |                           |               |                           |              |                           |         |  |
| Aluminum phosphide               | Weevil-cide                  | 70506-13         | N/A     | 60.00                           |                              | 0.00                         | 0.59                      |                           |                           | 0.95                      |                           |                           | 0.30          |                           |              |                           |         |  |
|                                  |                              |                  |         | <b>TOTAL:</b>                   | <b>1420.66</b>               | <b>1137.53</b>               | <b>767.11</b>             | <b>469.00</b>             | <b>693.77</b>             | <b>803.69</b>             | <b>545.74</b>             | <b>534.27</b>             | <b>500.98</b> | <b>154.72</b>             | <b>76.22</b> |                           |         |  |
|                                  |                              |                  |         | "Bad Actors" w/May 2013 changes | 131.84                       | 107.58                       | 0.14                      | 0.88                      | 0.48                      | 1.26                      | 1.94                      | 5.84                      | 8.39          | 0.79                      | 0.00         |                           |         |  |

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

Contra Costa County Public Works - Grounds

Gal. used x 8.33 lbs/gal H2O x sp. Grav. x %A

|                          | Name of Product Applied              | EPA or Calif. Registration # | Specific Gravity | % A. I. | Total Lbs A.I. Used FY 00-01 | Total Lbs A.I. Used FY 04-05 | Total Lbs A.I. Used FY 07-08 | Total Lbs A.I. Used 08-09 | Total Lbs A.I. Used 09-10 | Total Lbs A.I. Used 10-11 | Total Lbs A.I. Used 11-12 | Total Lbs A.I. Used 12-13 | Total Lbs A.I. Used 13-14 | Amt Used FY 14-15 (gallons) | Total Lbs A.I. Used 14-15 | Amt Used FY 15-16 (gallons) | Total Lbs A.I. Used 15-16 |
|--------------------------|--------------------------------------|------------------------------|------------------|---------|------------------------------|------------------------------|------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|
|                          | <i>Liquid Materials</i>              |                              |                  |         |                              |                              |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Chlorantraniliprole      | Acelepryn                            | 352-731                      | 1.094            | 18.40   |                              |                              |                              |                           | 0.24                      |                           |                           |                           |                           |                             |                           |                             |                           |
| Clethodim                | Arrow 2EC                            | 66222-60                     | 0.970            | 26.40   |                              |                              |                              |                           |                           |                           |                           |                           |                           |                             |                           | 0.06                        | 0.13                      |
| Dikegulac sodium         | Atrimmec                             | 2217-776                     | 1.095            | 18.50   |                              |                              |                              |                           | 2.21                      |                           | 0.32                      |                           |                           |                             |                           |                             |                           |
| Prodiamine               | Barricade                            | 100-1139                     |                  |         |                              |                              |                              | 35.01                     |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Dicamba, MCPA, Triclopyr | Cool Power                           | 228-317                      |                  |         |                              |                              |                              | 9.27                      |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Adjuvant                 | Crop Oil (Monterey Herbicide Helper) | 54705-50001-AA               | 0.900            | 100.00  |                              |                              |                              |                           |                           |                           |                           |                           | 0.60                      |                             |                           |                             |                           |
|                          | Dursban 2E                           | 464-586                      | 1.000            | 24.10   |                              | 3.87                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Myclobutanil             | Eagle                                | 62719-463                    |                  |         |                              |                              |                              | 0.06                      |                           |                           |                           |                           |                           |                             |                           |                             |                           |
|                          | Embark                               | 7182-7-AA                    | 1.110            | 28.00   |                              | 0.72                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Bifenazate               | Floramite                            | 400-508                      |                  |         |                              |                              |                              | 0.03                      |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Ethephon                 | Florel                               | 62719-145-AA                 | 1.016            | 3.90    |                              | 0.33                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Ethephon                 | Florel                               | 264-543-54705                |                  |         |                              |                              |                              | 0.65                      |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| NAA, ammonium salt       | Fruit Stop                           | 5481-66-65783                |                  |         |                              |                              |                              | 0.43                      |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Fluazifop-P-butyl        | Fusilade II                          | 100-1084                     | 0.980            | 24.50   |                              |                              |                              | 0.19                      |                           | 0.50                      | 0.50                      |                           | 0.10                      |                             |                           |                             |                           |
|                          | Goal                                 | 707-174                      | 0.990            | 19.40   | 19.34                        |                              |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
|                          | Grass Getter (Poast)                 | 7969-58-ZA-54705             | 0.935            | 18.00   |                              | 0.55                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Hexythiazox              | Hexygon                              | 10163-208                    |                  |         |                              |                              |                              | 0.11                      |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Petroleum distillates    | Lesco Horticultural Oil              | 10404-66                     |                  |         |                              |                              |                              | 2.13                      |                           |                           |                           |                           |                           |                             |                           |                             |                           |
|                          | Knox Out 2 FM                        | 4581-335-449                 | 1.036            | 23.00   |                              | 0.89                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
|                          | Lindane                              | 7001-279-AA                  | 0.976            | 87.60   |                              | 0.64                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Adjuvant                 | Magnify                              | 17545-50018                  | 1.220            | 51.50   |                              |                              |                              |                           |                           |                           |                           | 0.47                      |                           | 0.01                        | 0.05                      |                             |                           |
|                          | Maintain A                           | 400-396-AA                   | 1.000            | 0.30    |                              | 0.01                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
|                          | Malathion                            | 655-598                      | 1.032            | 0.50    |                              | 0.06                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |
| Adjuvant                 | No Foam A (Monterey)                 | 54705-50004-AA               | 1.050            | 90.00   |                              |                              |                              |                           |                           |                           |                           |                           | 1.18                      | 0.22                        | 1.73                      | 0.003                       | 0.02                      |
| Adjuvant                 | No Foam A                            | 1050775-50015-AA             | 1.050            | 90.00   |                              |                              |                              |                           |                           |                           |                           |                           |                           |                             |                           | 0.0155                      | 0.12                      |
|                          | NuFarm Polaris                       | 228-534-AA                   | 1.057            | 27.70   |                              |                              |                              |                           |                           |                           |                           |                           |                           | 0.04                        | 0.10                      |                             |                           |
|                          | Ornamec                              | 2217-728-AA                  | 0.880            | 6.75    |                              | 0.18                         |                              |                           |                           |                           |                           |                           |                           |                             |                           |                             |                           |

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

Contra Costa County Public Works - Grounds (continued)

| Name of Product Applied         | EPA or Calif. Registration # | Specific Gravity | % A. I.         | Total Lbs A.I. Used FY 00-01 | Total Lbs A.I. Used FY 04-05 | Total Lbs A.I. Used FY 07-08 | Total Lbs A.I. Used 08-09 | Total Lbs A.I. Used 09-10 | Total Lbs A.I. Used 10-11 | Total Lbs A.I. Used 11-12 | Total Lbs A.I. Used 12-13 | Total Lbs A.I. Used 13-14 | Amt Used FY 14-15 | Total Lbs A.I. Used 14-15 | Amt Used FY 15-16 | Total Lbs A.I. Used 15-16 |
|---------------------------------|------------------------------|------------------|-----------------|------------------------------|------------------------------|------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|---------------------------|-------------------|---------------------------|
| <b>Liquid Materials</b>         |                              |                  |                 |                              |                              |                              |                           |                           |                           |                           |                           |                           | (gallons)         |                           | (gallons)         |                           |
| Glyphosate isopropylamine salt  | RangerPro                    | 524-517-ZB       | 1.169           | 41.00                        |                              |                              |                           |                           |                           |                           |                           |                           |                   |                           | 14.62             | 58.37                     |
| Glyphosate isopropylamine salt  | Razor                        | 228-366          |                 |                              |                              |                              | 91.73                     |                           |                           |                           |                           |                           |                   |                           |                   |                           |
| Glyphosate, diquat dibromide    | Razorburn                    | 228-446          | 1.146           | 43.10                        |                              |                              |                           |                           | 4.11                      |                           |                           |                           |                   |                           |                   |                           |
|                                 | Roundup Pro                  | 524-445-ZB       | 1.020           | 41.00                        | 156.00                       | 158.75                       |                           |                           |                           |                           |                           |                           |                   |                           |                   |                           |
| Glyphosate isopropylamine salt  | Roundup Pro                  | 524-475          | 1.170           | 41.00                        |                              | 23.98                        |                           |                           |                           |                           |                           |                           |                   |                           |                   |                           |
| Glyphosate isopropylamine salt  | Roundup Pro Conc.            | 524-529          | 1.199           | 50.20                        |                              | 33.89                        | 50.92                     | 41.56                     | 94.11                     | 363.50                    | 351.72                    | 182.55                    |                   |                           |                   |                           |
| Glyphosate potassium salt       | Roundup Promax               | 524-579          | 1.356           | 48.70                        |                              |                              |                           | 1.87                      |                           |                           |                           | 290.01                    | 56.51             | 310.86                    | 55.28             | 304.09                    |
| Nonanoic acid                   | Scythe                       | 62719-529        |                 |                              |                              |                              | 0.66                      |                           |                           |                           |                           |                           |                   |                           |                   |                           |
|                                 | Sevin SL                     | 464-586          | 1.000           | 24.10                        | 0.12                         |                              |                           |                           |                           |                           |                           |                           |                   |                           |                   |                           |
| Bifenthrin                      | Talstar                      | 279-3206         |                 |                              |                              |                              | 0.02                      |                           |                           |                           |                           |                           |                   |                           |                   |                           |
|                                 | Triclopyr 4EC                | 81927-11-AA      | 1.100           | 61.60                        |                              |                              |                           |                           |                           | 5.64                      | 1.41                      |                           | 0.25              | 1.41                      |                   |                           |
| Dicamba, MCPA, MCPP             | Tri Power                    | 228-262          |                 |                              |                              |                              | 3.79                      |                           |                           |                           |                           |                           |                   |                           |                   |                           |
| Triclopyr BEE                   | Turflon                      | 62719-258        | 1.060           | 61.60                        | 1.96                         | 0.98                         |                           |                           |                           |                           |                           |                           |                   |                           |                   |                           |
|                                 | Turflon Ester                | 17545-8-AA       | 1.08            | 60.45                        |                              |                              |                           |                           |                           |                           |                           |                           | 0.003             | 0.02                      |                   |                           |
| <b>Dry Materials</b>            |                              |                  |                 |                              |                              |                              |                           |                           |                           |                           |                           |                           |                   |                           |                   |                           |
|                                 |                              |                  | Amt. Used x %AI |                              |                              |                              |                           |                           |                           |                           |                           |                           | (pounds)          |                           | (pounds)          |                           |
| Isoxaben                        | Gallery 75 DF                | 62719-145-AA     | N/A             | 75.00                        | 97.08                        | 102.38                       | 44.42                     |                           | 14.25                     | 4.88                      | 8.25                      | 2.25                      | 18.38             | 13.79                     | 80.00             | 60.00                     |
| Dithiopyr                       | Dithiopyr 40 WSB             | 73220-13         | N/A             | 0.125 lbs ai/5 oz            |                              |                              |                           |                           |                           | 1.63                      | 2.72                      |                           | 30 oz (6 bags)    | 0.75                      | 5 oz (1 bag)      | 0.125                     |
| Flumioxazin                     | Payload                      | 59639-120-ZA     | N/A             | 51.00                        |                              |                              | 0.30                      |                           |                           |                           |                           | 4.75                      | 3.06              | 1.56                      | 1.92              | 0.98                      |
|                                 | Lindane                      | 20954-107-AA     | N/A             | 99.50                        | 1.00                         |                              |                           |                           |                           |                           |                           |                           |                   |                           |                   |                           |
|                                 | Orthene                      | 59639-88         | N/A             | 75.00                        | 0.52                         |                              |                           |                           |                           |                           |                           |                           |                   |                           |                   |                           |
| Acephate                        | Orthene                      | 59639-26         |                 |                              |                              |                              | 0.13                      |                           |                           |                           |                           |                           |                   |                           |                   |                           |
| Sulfometuron methyl             | Oust                         | 352-401          | N/A             | 75.00                        | 3.85                         |                              | 0.17                      |                           |                           |                           |                           |                           |                   |                           |                   |                           |
| Oxadiazon                       | Ronstar WP                   | 264-538          | N/A             | 50.00                        | 648.63                       | 414.50                       | 0.00                      |                           |                           |                           |                           |                           |                   |                           |                   |                           |
| Halosulfuron methyl             | Sedgehammer                  | 81880-1-10163    | N/A             | 75.00                        |                              |                              |                           |                           |                           |                           |                           |                           |                   |                           | 0.007             | 0.005                     |
| Halosulfuron methyl             | Sedgehammer                  | 81880-24-10163   | N/A             | 5.00                         |                              |                              |                           |                           |                           |                           | 0.10                      | 0.03                      | 0.0015            | 0.04                      | 0.002             |                           |
| Flumioxazin                     | SureGuard                    | 59639-120        | N/A             | 51.00                        |                              |                              |                           |                           |                           | 1.27                      | 12.20                     | 10.79                     | 15.69             | 8.00                      | 17.33             | 8.84                      |
| Chlorsulfuron                   | Telar                        | 352-522          |                 |                              |                              |                              | 0.06                      |                           |                           |                           |                           |                           |                   |                           |                   |                           |
| <b>TOTAL</b>                    |                              |                  |                 | <b>927.37</b>                | <b>684.98</b>                | <b>57.87</b>                 | <b>240.06</b>             | <b>45.89</b>              | <b>112.97</b>             | <b>377.74</b>             | <b>376.77</b>             | <b>492.33</b>             |                   | <b>338.26</b>             | <b>432.68</b>     |                           |
| "Bad Actors" w/May 2013 changes |                              |                  |                 | 649.14                       | 421.59                       | 0.00                         | 5.00                      | 0.00                      | 0.50                      | 0.50                      | 0.00                      | 0.10                      |                   | 0.00                      |                   | 0.00                      |

NOTE: The totals for 07-08 only account for Grounds Div. usage and do not include Tru-Green usage.

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

CCC Public Works - Facilities

|  | Name of Product Applied          | EPA or Calif. Registration # | Specific Gravity | % A. I.          | Total oz. A.I. Used FY 07-08 | Amt Used FY 08-09 | Total oz. A.I. by wt. Used 08-09 | Tot. oz. A.I. by wt. Used 09-10 | Tot. oz. A.I. by wt. Used 10-11 | Total OZ. A.I. Used 11-12 | Total OZ. A.I. Used 12-13 |  | Total OZ. A.I. Used 13-14 | Amt Used FY 14-15                   | Total OZ. A.I. Used 14-15 | Amt Used FY 15-16                    | Total Lbs A.I. Used 15-16 |
|--|----------------------------------|------------------------------|------------------|------------------|------------------------------|-------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------|---------------------------|--|---------------------------|-------------------------------------|---------------------------|--------------------------------------|---------------------------|
|  |                                  |                              |                  |                  |                              |                   |                                  |                                 |                                 |                           |                           |  |                           |                                     |                           |                                      |                           |
| Orthoboric acid                        | Drax Liquid Bait                 | 9444-206                     |                  |                  |                              | 2.22              | 0.03                             |                                 |                                 |                           |                           |  |                           |                                     |                           |                                      |                           |
| Sodium Tetraborate Decahydrate (Borax) | Advance Ant Gel                  | 499-492                      | 1.23             | 5.40             |                              |                   |                                  |                                 | 0.01                            | 0.002                     |                           |  |                           |                                     |                           |                                      |                           |
| Indoxacarb                             | Advion Ant Bait Arena            | 352-664                      | 1.09             | 0.10             |                              |                   |                                  |                                 |                                 | 0.077                     | 0.0063                    |  | 0.00262                   | 164 ea (Net wt of Arena is 0.07 oz) | 0.013                     |                                      |                           |
| Indoxacarb                             | Advion Ant Bait Arena            | 100-1485                     | 1.09             | 0.10             |                              |                   |                                  |                                 |                                 |                           |                           |  |                           |                                     |                           | 252 ea (Net wt of Arena is 0.07 oz)  | 0.02                      |
| Sodium Tetraborate Decahydrate         | Advance Liquid Ant Bait          | 499-491                      | 1.24             | 1.30             |                              |                   |                                  | 4.12                            | 37.79                           | 62.047                    | 72.323                    |  | 13.14360                  |                                     |                           |                                      |                           |
| Indoxacarb                             | Advion Ant Gel                   | 352-746                      | 1.24             | 0.05             |                              |                   |                                  |                                 | 0.03                            | 0.022                     | 0.0346                    |  | 0.05508                   | 115.64                              | 0.075                     |                                      |                           |
| Indoxacarb                             | Advion Ant Gel                   | 100-1498                     | 1.2              | 0.05             |                              |                   |                                  |                                 |                                 |                           |                           |  |                           |                                     |                           | 143.67                               | 0.08965                   |
| Indoxacarb                             | Advion Cockroach Bait Arena      | 352-668                      | 1.09             | 0.50             |                              |                   |                                  |                                 |                                 | 0.005                     | 0.0014                    |  | 0.00280                   | 10 ea (Net wt of Arena is 0.07 oz)  | 0.00397                   |                                      |                           |
| Indoxacarb                             | Advion Cockroach Bait Arena      | 100-1486                     | 1.09             | 0.50             |                              |                   |                                  |                                 |                                 |                           |                           |  |                           |                                     |                           | 41 ea (Net wt of Arena is 0.07 oz)   | 0.01627                   |
| Indoxacarb                             | Advion Cockroach Gel Bait        | 352-652                      | 1.0442           | 0.60             |                              |                   |                                  |                                 | 0.01                            | 0.000521                  | 0.07871                   |  | 0.20251                   | 7.13                                | 0.046                     |                                      |                           |
| Indoxacarb                             | Advion Cockroach Gel Bait        | 100-1484                     | 1.123            | 0.60             |                              |                   |                                  |                                 |                                 |                           |                           |  |                           |                                     |                           | 14.61                                | 0.10238                   |
| Chlorantraniliprole                    | Altriset                         | 100-1503                     | 1.094            | 18.4             |                              |                   |                                  |                                 |                                 |                           |                           |  |                           | 2.00                                | 0.419                     |                                      |                           |
| Cedar oil                              | Best Yet Insect Control Solution | Exempt 25b materia           | 1.00             | 10.00            |                              |                   |                                  |                                 |                                 |                           |                           |  |                           | 128.00                              | 12.800                    | 16.00                                | 1.66400                   |
| Cedar oil                              | Cedarcide PCO Choice Concentrate | Exempt 25b materia           | 1.00             | 85.00            |                              |                   |                                  |                                 |                                 |                           |                           |  |                           |                                     |                           | 10.00                                | 8.84000                   |
| White pepper, mineral oil              | DeTour for Rodents               | Exempt                       | 0.864            | 3.00             |                              |                   |                                  |                                 |                                 |                           |                           |  |                           | 166.00                              | 4.475                     |                                      |                           |
| Hydroprene                             | Gentrol IGR Concentrate          | 2724-351                     |                  |                  | 0.08                         |                   |                                  |                                 |                                 |                           |                           |  |                           |                                     |                           |                                      |                           |
| Hydroprene                             | Gentrol Point Source             | 2724-469                     | 0.89             | 90.60            |                              |                   |                                  |                                 |                                 | 0.007                     | 0.065                     |  |                           |                                     |                           | 0.018                                | 0.01509                   |
| Rosemary Oil                           | EcoExempt 1C                     | Exempt                       |                  |                  | 1.66                         | 79.99             | 8.32                             | 112.49                          |                                 |                           |                           |  |                           |                                     |                           |                                      |                           |
| 2-phenethyl proplonate                 | EcoPco Acu                       | 67425-14                     |                  |                  |                              |                   | 0.00                             | 0.01                            |                                 |                           |                           |  |                           |                                     |                           |                                      |                           |
| Sodium Tetraborate Decahydrate (Borax) | Intice Thiquid Ant Bait          | 73079-7                      | 1.33             | 1.00             |                              |                   |                                  |                                 |                                 |                           |                           |  | 43.26650                  | 3554.00                             | 49.159                    |                                      |                           |
| Sodium Tetraborate Decahydrate (Borax) | Intice Thiquid Ant Bait          | 73079-7                      | 1.33             | 2.50             |                              |                   |                                  |                                 |                                 |                           |                           |  |                           |                                     |                           | 4566.00                              | 157.89228                 |
| Fipronil                               | Maxforce Ant Bait Gel            | 432-1264                     | 1.27             | 0.00             |                              | 17.04             |                                  |                                 |                                 | 0.000013                  |                           |  |                           |                                     |                           |                                      |                           |
| Fipronil                               | Maxforce FC Select Roach Gel     | 432-1259                     | 1.1414           | 0.01             |                              |                   |                                  |                                 |                                 | 0.000006                  |                           |  |                           |                                     |                           |                                      |                           |
| Imidacloprid                           | Maxforce Quantum Ant Bait        | 432-1506                     | 1.43             | 0.03             |                              |                   |                                  |                                 |                                 |                           |                           |  |                           | 27.90                               | 0.012                     | 31.71                                | 0.01415                   |
| Fipronil                               | Maxforce FC Roach Bait Stations  | 432-1257                     | 1.00             | 0.05             |                              |                   |                                  |                                 |                                 |                           |                           |  |                           |                                     |                           | 1 ea (Net wt of station is 0.053 oz) | 0.00003                   |
| Hydramethylnon                         | Maxforce Roach Bait Gel          | 432-1254                     |                  | 2.15             | 0.13                         | 1.13              | 0.03                             | 0.00                            |                                 |                           |                           |  |                           |                                     |                           |                                      |                           |
| sodium lauryl sulfate                  | Oh Yeah                          | Exempt                       | 1                | 0.70             |                              |                   |                                  |                                 | 9.47                            | 18.731                    | 9.57444                   |  | 7.80416                   | 2222                                | 16.176                    | 78                                   | 0.56784                   |
| Capsaicin                              | PIGNX Bird Repellent             | 844148-EPA                   | 0.86             | 0.04             |                              |                   |                                  |                                 |                                 |                           |                           |  |                           |                                     |                           | 20                                   | 0.00716                   |
| Note: product has 2 a.i. s             | Precor 2000                      | 274-483                      |                  | 0.5% permethrin  |                              |                   |                                  |                                 |                                 | 0.0208                    |                           |  |                           |                                     |                           |                                      |                           |
|  |                                  |                              |                  | 0.09% methoprene |                              |                   |                                  |                                 |                                 | 0.0000                    |                           |  |                           |                                     |                           |                                      |                           |



CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

CCC Public Works - Facilities, cont.

|  | Name of Product Applied          | EPA or Calif. Registration # | Specific Gravity | % A. I.                         | Total oz. A.I. Used FY 07-08 | Amt Used FY 08-09 | Total oz. A.I. by wt. Used 08-09 | Tot. oz. A.I. by wt. Used 09-10 | Tot. oz. A.I. by wt. Used 10-11 | Total OZ. A.I. Used 11-12 | Total OZ. A.I. Used 12-13 |            | Total OZ. A.I. Used 13-14 | Amt Used FY 14-15    | Total OZ. A.I. Used 14-15 | Amt Used FY 15-16    | Total OZ. A.I. Used 15-16 |
|--|----------------------------------|------------------------------|------------------|---------------------------------|------------------------------|-------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------|---------------------------|------------|---------------------------|----------------------|---------------------------|----------------------|---------------------------|
| <b>Liquid Materials</b>                |                                  |                              |                  | (fl. ounces)                    |                              |                   |                                  |                                 | Oz. by Wt.                      | Oz. by Wt.                |                           | Oz. by Wt. | (fl. oz.)                 | Oz. by Wt.           | (fl. oz.)                 | Oz. by Wt.           |                           |
| Note: product has 4a.i. s              | Precor 2000 Premise spray        | 2724-490                     | 1                | 0.085% methoprene               |                              |                   |                                  |                                 |                                 |                           |                           |            |                           |                      |                           | 16.00                | 0.01414                   |
|  |                                  |                              |                  | 0.35% permethrin                |                              |                   |                                  |                                 |                                 |                           |                           |            |                           |                      |                           |                      | 0.05820                   |
|  |                                  |                              |                  | 0.3% phenothrin                 |                              |                   |                                  |                                 |                                 |                           |                           |            |                           |                      |                           |                      | 0.04990                   |
|  |                                  |                              |                  | 2% bicycloheptene dicarboximide |                              |                   |                                  |                                 |                                 |                           |                           |            |                           |                      |                           |                      | 0.33280                   |
|  |                                  |                              |                  | 1.4% Piperonyl butoxide         |                              |                   |                                  |                                 |                                 |                           |                           |            |                           |                      |                           |                      | 0.23290                   |
| (s) methoprene                         | Precor IGR Conc                  | 2724-352                     | 0.789            | 1.20                            |                              |                   |                                  |                                 |                                 |                           |                           |            |                           | 1                    | 0.010                     | 8.00                 | 0.07877                   |
| Foaming agent                          | Profoam Platinum (foaming agent) | 1021148-50001-AA             | No data          | 60.00                           |                              |                   |                                  |                                 |                                 |                           |                           |            |                           | 2                    | 1.200                     |                      |                           |
| coyote & fox urine                     | Shake Away: Fox/Coyote           | 80917-5                      | 1.00             | 5.00                            |                              |                   |                                  |                                 |                                 |                           | 20.488                    |            | 2.31400                   |                      |                           |                      |                           |
| Sodium Tetraborate Decahydrate (Borax) | Terro PCO Bait stations          | 149-8-64405                  | 1.00             | 5.40                            |                              |                   |                                  | 0.12                            |                                 | 1.166                     | 0.661                     |            |                           | 135-0.36 oz stations | 2.6244                    | 170-0.36 oz stations | 3.43699                   |
| Coyote urine                           | WCS Coyote Urine                 | N/A                          | 1.00             | 100.00                          |                              |                   |                                  |                                 |                                 |                           |                           |            |                           |                      |                           |                      |                           |

|                                       | <b>Dry Materials</b>       |               |  |                         | OZ. by Wt. |         |      |      |       | OZ. by Wt. |         |  |      |        | OZ. by Wt. |        |        |  |
|---------------------------------------|----------------------------|---------------|--|-------------------------|------------|---------|------|------|-------|------------|---------|--|------|--------|------------|--------|--------|--|
| Note: product has 2 a.i. s            | Alpine Dust                | 499-527       |  | 0.25% dinotefuran       |            |         |      | 0.00 | 0.000 |            |         |  |      |        |            |        |        |  |
|                                       |                            |               |  | 95% DE                  |            |         |      | 0.14 | 0.010 |            |         |  |      |        |            |        |        |  |
| Incoxacarb                            | Advion Fire Ant Bait       | 100-1481      |  | 0.05                    |            |         |      |      |       |            |         |  |      |        |            | 3.17   | 0.0014 |  |
|                                       | Avert Dry Flowable Bait    | 499-294       |  |                         | 0.00       | 0.18    | 0.00 | 0.00 |       |            |         |  |      |        |            |        |        |  |
| Orthoboric acid                       | Borid                      | 9444-129      |  |                         | 0.00       | 7.00    | 6.93 | 0.99 |       |            |         |  |      |        |            |        |        |  |
| Amorphous silicon dioxide             | Concern Diatomaceous Earth | 73729-1-50932 |  | 85.00                   | 0.00       | 0.00    | 0.00 | 0.02 | 2.09  | 1.700      | 0.680   |  | 0.23 | 0.1955 | 0.79       | 0.6715 |        |  |
| Bromodialone                          | Contrac Blox               | 12455-79      |  |                         | 0.09       | 1252.00 | 0.06 | 0.02 |       |            |         |  |      |        |            |        |        |  |
| non-toxic rodent monitoring food bait | Detex Blox                 | Eco-019       |  |                         |            |         |      |      |       |            |         |  |      | 236    | N/A        | 267    | N/A    |  |
| Diatomaceous earth                    | Mother Earth D             | 499-509       |  | 100                     |            |         |      |      |       |            |         |  |      |        |            |        |        |  |
| Note: product has 3 a.i. s            | Eco PCO WP-X               | None          |  | 3% phenethyl propionate |            |         |      |      |       | 0.060      | 0.0792  |  |      |        |            |        |        |  |
|                                       |                            |               |  | 5% Thyme oil            |            |         |      |      |       | 0.100      | 0.132   |  |      |        |            |        |        |  |
|                                       |                            |               |  | 0.05% pyrethrins        |            |         |      |      |       | 0.001      | 0.00132 |  |      |        |            |        |        |  |

**CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16**

|   |                                       |              |                           |  |  |  |  |  |  |  |          |  |                  |     |        |     |        |
|---|---------------------------------------|--------------|---------------------------|--|--|--|--|--|--|--|----------|--|------------------|-----|--------|-----|--------|
| Note: product has 2 a.i. s                  | Eco PCO DX                            | 67425-16-655 | 1% 2-phenethyl propionate |  |  |  |  |  |  |  | 0.00017  |  |                  |     |        |     |        |
|   |                                       |              | 0.4% pyrethrins           |  |  |  |  |  |  |  | 0.000068 |  |                  |     |        |     |        |
| Note: product has 2 a.i.s                   | Essentira G (granules)                | Exempt       | 2.9 % Eugenol             |  |  |  |  |  |  |  |          |  |                  |     |        | 72  | 2.088  |
|   |                                       |              | 0.60% Thyme Oil           |  |  |  |  |  |  |  |          |  |                  |     |        |     | 0.432  |
| Balsam fir oil                              | Fresh Cab Rodent Repellent (granules) | 82016-1      | 2.00                      |  |  |  |  |  |  |  |          |  | 8-2.5 oz pouches | 0.4 |        |     |        |
| Oil of black pepper                         | Havahart Critter Ridder               | 50932-10     | 0.48                      |  |  |  |  |  |  |  |          |  | 3.8592           | 624 | 2.9952 | 458 | 2.1984 |
| <b>CCC Public Works - Facilities, cont.</b> |                                       |              |                           |  |  |  |  |  |  |  |          |  |                  |     |        |     |        |

|                    | Name of Product Applied                           | EPA or Calif. Registration # | Specific Gravity | % A. I. | Total oz. A.I. Used FY 07-08 | Amt Used FY 08-09 | Total oz. A.I. by wt. Used 08-09 | Tot. oz. A.I. by wt. Used 09-10 | Tot. oz. A.I. by wt. Used 10-11 | Total OZ. A.I. Used 11-12 | Tot. oz. A.I. by wt. Used 12-13 |  | Tot. oz. A.I. by wt. Used 13-14 | Amt Used FY 14-15 | Tot. oz. A.I. by wt. Used 14-15 | Amt Used FY 14-15 | Tot. oz. A.I. by wt. Used 14-15 |
|--------------------|---|------------------------------|------------------|---------|------------------------------|-------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------|---------------------------------|--|---------------------------------|-------------------|---------------------------------|-------------------|---------------------------------|
|                    | <b>Dry Materials, cont.</b>                       |                              |                  |         |                              | <b>OZ. by Wt.</b> |                                  |                                 |                                 | <b>OZ. by Wt.</b>         |                                 |  |                                 | <b>OZ. by Wt.</b> |                                 | <b>OZ. by Wt.</b> |                                 |
| Orthoboric acid    | Niban FG/Mother Earth Granules                    | 64405-2<br>499-515           |                  | 5.00    | 190.69                       | 2150.56           | 107.53                           | 62.64                           | 35.98                           | 56.875                    | 156.300                         |  | 18.75                           | 3144.5            | 157.225                         | 6038.5            | 301.925                         |
| Fipronil           | Maxforce Ant Bait Stations                        | 432-1256                     |                  | 0.05    | 0.00                         | 4.66              | 0.00                             | 0.00                            |                                 |                           |                                 |  | 0.00008                         |                   |                                 |                   |                                 |
| Fipronil           | Maxforce FC Prof. Insect Cntrl Roach Bait Station | 432-1257                     |                  | 0.05    |                              |                   |                                  |                                 |                                 |                           |                                 |  | 0.00021                         |                   |                                 |                   |                                 |
| Fipronil           | Maxforce Ant Bait Stations                        | 64248-10                     |                  | 0.01    |                              |                   |                                  |                                 | 0.000005                        |                           | 0.000055                        |  |                                 |                   |                                 |                   |                                 |
| Fipronil           | Maxforce Roach Bait Stations                      | 64248-11                     |                  | 0.05    |                              |                   |                                  |                                 | 0.00028                         | 0.00016                   | 0.000265                        |  |                                 |                   |                                 |                   |                                 |
| Hydramethylnon     | Maxforce Roach Bait Stations                      | 432-1251                     |                  |         | 0.19                         | 1.48              | 0.03                             | 0.00                            |                                 |                           |                                 |  |                                 |                   |                                 |                   |                                 |
| Boric Acid         | Perma Dust  | 499-384                      |                  |         | 142.71                       | 682.00            | 242.11                           | 94.08                           |                                 |                           |                                 |  |                                 |                   |                                 |                   |                                 |
| Fox Urine          | Shake Away Fox Urine Granules                     | 80917-4                      |                  | 5.00    |                              |                   |                                  |                                 |                                 |                           |                                 |  |                                 |                   |                                 | 196.5             | 9.825                           |
| <b>OZ of A.I</b>   |   |                              |                  |         | <b>335.55</b>                |                   | <b>365.04</b>                    | <b>274.37</b>                   | <b>85.64</b>                    | <b>140.824</b>            | <b>260.426</b>                  |  | <b>89.401</b>                   |                   | <b>247.829</b>                  |                   | <b>480.749</b>                  |
| <b>LBs of A.I.</b> |   |                              |                  |         | <b>20.97</b>                 |                   | <b>22.81</b>                     | <b>17.15</b>                    | <b>5.35</b>                     | <b>8.80</b>               | <b>16.28</b>                    |  | <b>5.59</b>                     |                   | <b>15.49</b>                    |                   | <b>30.05</b>                    |
| <b>OZ of BA</b>    |   |                              |                  |         | 0.41                         |                   | 0.12                             | 0.03                            | 0.00                            | 0.02                      | 0.0014                          |  | 0.00                            |                   | 0.00                            |                   | 0.0582                          |