West Side Aphid Whitefly 2023

2023-11-28

## # A tibble: 6 x 22  
## Date DAT Plot Block Leaf\_Location WF1and2 WF3rd WF4th WF.Nym Aph.Imm  
## <date> <chr> <chr> <dbl> <chr> <dbl> <dbl> <dbl> <dbl> <dbl>  
## 1 2023-08-21 0 DAT~ E1 1 Top 0.6 0 0 0.6 0.8  
## 2 2023-08-21 0 DAT~ E1 1 Bottom 0.6 0 0 0.6 4.6  
## 3 2023-08-21 0 DAT~ E2 1 Top 0.4 0 0.2 0.6 1   
## 4 2023-08-21 0 DAT~ E2 1 Bottom 0.4 0.2 0 0.6 10   
## 5 2023-08-21 0 DAT~ N1 2 Top 0.2 0.6 0.6 1.4 0.2  
## 6 2023-08-21 0 DAT~ N1 2 Bottom 0 0.2 0.8 1 0.4  
## # ... with 12 more variables: Aph.Ad <dbl>, Aph.Tot <dbl>,  
## # AphidMummyHole <dbl>, AphidMummyNoHole <dbl>, WF.Ad <dbl>, Mites <dbl>,  
## # Thrips <dbl>, TRT <dbl>, Product <chr>, DPR\_Label <chr>, DPRTrial <chr>,  
## # App <chr>

##   
## Bottom Top  
## 0 8 8  
## 10-DAT1 0 60  
## 10-DAT2 0 60  
## 13-DAT1 44 60  
## 14-DAT2 44 60  
## 21-DAT2 0 60  
## 3-DAT2 0 60  
## 7-DAT1 44 60  
## 7-DAT2 44 60

## # A tibble: 6 x 22  
## Date DAT Plot Block Leaf\_Location WF1and2 WF3rd WF4th WF.Nym Aph.Imm  
## <date> <ord> <chr> <fct> <fct> <dbl> <dbl> <dbl> <dbl> <dbl>  
## 1 2023-08-21 0 E1 1 Top 0.6 0 0 0.6 0.8  
## 2 2023-08-21 0 E1 1 Bottom 0.6 0 0 0.6 4.6  
## 3 2023-08-21 0 E2 1 Top 0.4 0 0.2 0.6 1   
## 4 2023-08-21 0 E2 1 Bottom 0.4 0.2 0 0.6 10   
## 5 2023-08-21 0 N1 2 Top 0.2 0.6 0.6 1.4 0.2  
## 6 2023-08-21 0 N1 2 Bottom 0 0.2 0.8 1 0.4  
## # ... with 12 more variables: Aph.Ad <dbl>, Aph.Tot <dbl>,  
## # AphidMummyHole <dbl>, AphidMummyNoHole <dbl>, WF.Ad <dbl>, Mites <dbl>,  
## # Thrips <dbl>, TRT <fct>, Product <fct>, DPR\_Label <fct>, DPRTrial <chr>,  
## # App <fct>

## # A tibble: 6 x 22  
## Date DAT Plot Block Leaf\_Location WF1and2 WF3rd WF4th WF.Nym Aph.Imm  
## <date> <ord> <chr> <fct> <fct> <dbl> <dbl> <dbl> <dbl> <dbl>  
## 1 2023-08-29 7-DAT1 2 1 Bottom 0 0 0 0 0.2  
## 2 2023-08-29 7-DAT1 3 1 Top 0 0 0 0 0.2  
## 3 2023-08-29 7-DAT1 3 1 Bottom 0 0 0 0 1.2  
## 4 2023-08-29 7-DAT1 4 1 Top 0 0 0 0 57   
## 5 2023-08-29 7-DAT1 4 1 Bottom 0 0 0 0 12   
## 6 2023-08-29 7-DAT1 5 1 Top 0 0 0 0 2.8  
## # ... with 12 more variables: Aph.Ad <dbl>, Aph.Tot <dbl>,  
## # AphidMummyHole <dbl>, AphidMummyNoHole <dbl>, WF.Ad <dbl>, Mites <dbl>,  
## # Thrips <dbl>, TRT <fct>, Product <fct>, DPR\_Label <ord>, DPRTrial <chr>,  
## # App <fct>

## # A tibble: 6 x 22  
## Date DAT Plot Block Leaf\_Location WF1and2 WF3rd WF4th WF.Nym Aph.Imm  
## <date> <ord> <chr> <fct> <fct> <dbl> <dbl> <dbl> <dbl> <dbl>  
## 1 2023-09-08 3-DAT2 2 1 Top 1 0 0.2 1.2 0.2  
## 2 2023-09-08 3-DAT2 3 1 Top 0 0 0 0 5.2  
## 3 2023-09-08 3-DAT2 4 1 Top 0 0 0 0 5.8  
## 4 2023-09-08 3-DAT2 5 1 Top 1 0 0.6 1.6 2.4  
## 5 2023-09-08 3-DAT2 6 1 Top 0.4 0 0 0.4 11.6  
## 6 2023-09-08 3-DAT2 8 1 Top 0.4 0 0.2 0.6 15   
## # ... with 12 more variables: Aph.Ad <dbl>, Aph.Tot <dbl>,  
## # AphidMummyHole <dbl>, AphidMummyNoHole <dbl>, WF.Ad <dbl>, Mites <dbl>,  
## # Thrips <dbl>, TRT <fct>, Product <fct>, DPR\_Label <ord>, DPRTrial <chr>,  
## # App <fct>

## # A tibble: 27 x 3  
## DAT WF.Ad n  
## <ord> <dbl> <int>  
## 1 7-DAT1 0.05 2  
## 2 7-DAT1 0.1 2  
## 3 7-DAT1 0.15 2  
## 4 7-DAT1 0.2 1  
## 5 7-DAT1 0.4 1  
## 6 7-DAT1 0.45 1  
## 7 7-DAT1 0.55 1  
## 8 7-DAT1 0.7 1  
## 9 7-DAT1 0.75 1  
## 10 13-DAT1 0.05 4  
## # ... with 17 more rows

## DAT Product TRT App Leaf\_Location  
## 1 7-DAT1 Assail\_2.3oz\_10gpa 14 App1 Bottom  
## 2 7-DAT1 Assail\_2.3oz\_10gpa 14 App1 Top  
## 3 7-DAT1 Assail\_2.3oz\_30gpa 5 App1 Bottom  
## 4 7-DAT1 Assail\_2.3oz\_30gpa 5 App1 Top  
## 5 7-DAT1 Courier\_12.5floz\_10gpa 13 App1 Bottom  
## 6 7-DAT1 Courier\_12.5floz\_10gpa 13 App1 Top  
## 7 7-DAT1 Courier\_12.5floz\_30gpa 4 App1 Bottom  
## 8 7-DAT1 Courier\_12.5floz\_30gpa 4 App1 Top  
## 9 7-DAT1 PQZ\_3.2floz\_10gpa 11 App1 Bottom  
## 10 7-DAT1 PQZ\_3.2floz\_10gpa 11 App1 Top  
## 11 7-DAT1 PQZ\_3.2floz\_30gpa 2 App1 Bottom  
## 12 7-DAT1 PQZ\_3.2floz\_30gpa 2 App1 Top  
## 13 7-DAT1 Sefina\_14oz\_10gpa 10 App1 Bottom  
## 14 7-DAT1 Sefina\_14oz\_10gpa 10 App1 Top  
## 15 7-DAT1 Sefina\_14oz\_30gpa 1 App1 Bottom  
## 16 7-DAT1 Sefina\_14oz\_30gpa 1 App1 Top  
## 17 7-DAT1 SivantoPrime\_14floz\_10gpa 12 App1 Bottom  
## 18 7-DAT1 SivantoPrime\_14floz\_10gpa 12 App1 Top  
## 19 7-DAT1 SivantoPrime\_14floz\_30gpa 3 App1 Bottom  
## 20 7-DAT1 SivantoPrime\_14floz\_30gpa 3 App1 Top  
## 21 7-DAT1 Untreated 15 App1 Bottom  
## 22 7-DAT1 Untreated 15 App1 Top  
## 23 10-DAT1 Assail\_2.3oz\_10gpa 14 App1 Top  
## 24 10-DAT1 Assail\_2.3oz\_30gpa 5 App1 Top  
## 25 10-DAT1 Courier\_12.5floz\_10gpa 13 App1 Top  
## 26 10-DAT1 Courier\_12.5floz\_30gpa 4 App1 Top  
## 27 10-DAT1 PQZ\_3.2floz\_10gpa 11 App1 Top  
## 28 10-DAT1 PQZ\_3.2floz\_30gpa 2 App1 Top  
## 29 10-DAT1 Sefina\_14oz\_10gpa 10 App1 Top  
## 30 10-DAT1 Sefina\_14oz\_30gpa 1 App1 Top  
## 31 10-DAT1 SivantoPrime\_14floz\_10gpa 12 App1 Top  
## 32 10-DAT1 SivantoPrime\_14floz\_30gpa 3 App1 Top  
## 33 10-DAT1 Untreated 15 App1 Top  
## 34 13-DAT1 Assail\_2.3oz\_10gpa 14 App1 Bottom  
## 35 13-DAT1 Assail\_2.3oz\_10gpa 14 App1 Top  
## 36 13-DAT1 Assail\_2.3oz\_30gpa 5 App1 Bottom  
## 37 13-DAT1 Assail\_2.3oz\_30gpa 5 App1 Top  
## 38 13-DAT1 Courier\_12.5floz\_10gpa 13 App1 Bottom  
## 39 13-DAT1 Courier\_12.5floz\_10gpa 13 App1 Top  
## 40 13-DAT1 Courier\_12.5floz\_30gpa 4 App1 Bottom  
## 41 13-DAT1 Courier\_12.5floz\_30gpa 4 App1 Top  
## 42 13-DAT1 PQZ\_3.2floz\_10gpa 11 App1 Bottom  
## 43 13-DAT1 PQZ\_3.2floz\_10gpa 11 App1 Top  
## 44 13-DAT1 PQZ\_3.2floz\_30gpa 2 App1 Bottom  
## 45 13-DAT1 PQZ\_3.2floz\_30gpa 2 App1 Top  
## 46 13-DAT1 Sefina\_14oz\_10gpa 10 App1 Bottom  
## 47 13-DAT1 Sefina\_14oz\_10gpa 10 App1 Top  
## 48 13-DAT1 Sefina\_14oz\_30gpa 1 App1 Bottom  
## 49 13-DAT1 Sefina\_14oz\_30gpa 1 App1 Top  
## 50 13-DAT1 SivantoPrime\_14floz\_10gpa 12 App1 Bottom  
## 51 13-DAT1 SivantoPrime\_14floz\_10gpa 12 App1 Top  
## 52 13-DAT1 SivantoPrime\_14floz\_30gpa 3 App1 Bottom  
## 53 13-DAT1 SivantoPrime\_14floz\_30gpa 3 App1 Top  
## 54 13-DAT1 Untreated 15 App1 Bottom  
## 55 13-DAT1 Untreated 15 App1 Top  
## 56 3-DAT2 Assail\_2.3oz\_10gpa 14 App2 Top  
## 57 3-DAT2 Assail\_2.3oz\_30gpa 5 App2 Top  
## 58 3-DAT2 Courier\_12.5floz\_10gpa 13 App2 Top  
## 59 3-DAT2 Courier\_12.5floz\_30gpa 4 App2 Top  
## 60 3-DAT2 PQZ\_3.2floz\_10gpa 11 App2 Top  
## 61 3-DAT2 PQZ\_3.2floz\_30gpa 2 App2 Top  
## 62 3-DAT2 Sefina\_14oz\_10gpa 10 App2 Top  
## 63 3-DAT2 Sefina\_14oz\_30gpa 1 App2 Top  
## 64 3-DAT2 SivantoPrime\_14floz\_10gpa 12 App2 Top  
## 65 3-DAT2 SivantoPrime\_14floz\_30gpa 3 App2 Top  
## 66 3-DAT2 Untreated 15 App2 Top  
## 67 7-DAT2 Assail\_2.3oz\_10gpa 14 App2 Bottom  
## 68 7-DAT2 Assail\_2.3oz\_10gpa 14 App2 Top  
## 69 7-DAT2 Assail\_2.3oz\_30gpa 5 App2 Bottom  
## 70 7-DAT2 Assail\_2.3oz\_30gpa 5 App2 Top  
## 71 7-DAT2 Courier\_12.5floz\_10gpa 13 App2 Bottom  
## 72 7-DAT2 Courier\_12.5floz\_10gpa 13 App2 Top  
## 73 7-DAT2 Courier\_12.5floz\_30gpa 4 App2 Bottom  
## 74 7-DAT2 Courier\_12.5floz\_30gpa 4 App2 Top  
## 75 7-DAT2 PQZ\_3.2floz\_10gpa 11 App2 Bottom  
## 76 7-DAT2 PQZ\_3.2floz\_10gpa 11 App2 Top  
## 77 7-DAT2 PQZ\_3.2floz\_30gpa 2 App2 Bottom  
## 78 7-DAT2 PQZ\_3.2floz\_30gpa 2 App2 Top  
## 79 7-DAT2 Sefina\_14oz\_10gpa 10 App2 Bottom  
## 80 7-DAT2 Sefina\_14oz\_10gpa 10 App2 Top  
## 81 7-DAT2 Sefina\_14oz\_30gpa 1 App2 Bottom  
## 82 7-DAT2 Sefina\_14oz\_30gpa 1 App2 Top  
## 83 7-DAT2 SivantoPrime\_14floz\_10gpa 12 App2 Bottom  
## 84 7-DAT2 SivantoPrime\_14floz\_10gpa 12 App2 Top  
## 85 7-DAT2 SivantoPrime\_14floz\_30gpa 3 App2 Bottom  
## 86 7-DAT2 SivantoPrime\_14floz\_30gpa 3 App2 Top  
## 87 7-DAT2 Untreated 15 App2 Bottom  
## 88 7-DAT2 Untreated 15 App2 Top  
## 89 10-DAT2 Assail\_2.3oz\_10gpa 14 App2 Top  
## 90 10-DAT2 Assail\_2.3oz\_30gpa 5 App2 Top  
## 91 10-DAT2 Courier\_12.5floz\_10gpa 13 App2 Top  
## 92 10-DAT2 Courier\_12.5floz\_30gpa 4 App2 Top  
## 93 10-DAT2 PQZ\_3.2floz\_10gpa 11 App2 Top  
## 94 10-DAT2 PQZ\_3.2floz\_30gpa 2 App2 Top  
## 95 10-DAT2 Sefina\_14oz\_10gpa 10 App2 Top  
## 96 10-DAT2 Sefina\_14oz\_30gpa 1 App2 Top  
## 97 10-DAT2 SivantoPrime\_14floz\_10gpa 12 App2 Top  
## 98 10-DAT2 SivantoPrime\_14floz\_30gpa 3 App2 Top  
## 99 10-DAT2 Untreated 15 App2 Top  
## 100 14-DAT2 Assail\_2.3oz\_10gpa 14 App2 Bottom  
## 101 14-DAT2 Assail\_2.3oz\_10gpa 14 App2 Top  
## 102 14-DAT2 Assail\_2.3oz\_30gpa 5 App2 Bottom  
## 103 14-DAT2 Assail\_2.3oz\_30gpa 5 App2 Top  
## 104 14-DAT2 Courier\_12.5floz\_10gpa 13 App2 Bottom  
## 105 14-DAT2 Courier\_12.5floz\_10gpa 13 App2 Top  
## 106 14-DAT2 Courier\_12.5floz\_30gpa 4 App2 Bottom  
## 107 14-DAT2 Courier\_12.5floz\_30gpa 4 App2 Top  
## 108 14-DAT2 PQZ\_3.2floz\_10gpa 11 App2 Bottom  
## 109 14-DAT2 PQZ\_3.2floz\_10gpa 11 App2 Top  
## 110 14-DAT2 PQZ\_3.2floz\_30gpa 2 App2 Bottom  
## 111 14-DAT2 PQZ\_3.2floz\_30gpa 2 App2 Top  
## 112 14-DAT2 Sefina\_14oz\_10gpa 10 App2 Bottom  
## 113 14-DAT2 Sefina\_14oz\_10gpa 10 App2 Top  
## 114 14-DAT2 Sefina\_14oz\_30gpa 1 App2 Bottom  
## 115 14-DAT2 Sefina\_14oz\_30gpa 1 App2 Top  
## 116 14-DAT2 SivantoPrime\_14floz\_10gpa 12 App2 Bottom  
## 117 14-DAT2 SivantoPrime\_14floz\_10gpa 12 App2 Top  
## 118 14-DAT2 SivantoPrime\_14floz\_30gpa 3 App2 Bottom  
## 119 14-DAT2 SivantoPrime\_14floz\_30gpa 3 App2 Top  
## 120 14-DAT2 Untreated 15 App2 Bottom  
## 121 14-DAT2 Untreated 15 App2 Top  
## 122 21-DAT2 Assail\_2.3oz\_10gpa 14 App2 Top  
## 123 21-DAT2 Assail\_2.3oz\_30gpa 5 App2 Top  
## 124 21-DAT2 Courier\_12.5floz\_10gpa 13 App2 Top  
## 125 21-DAT2 Courier\_12.5floz\_30gpa 4 App2 Top  
## 126 21-DAT2 PQZ\_3.2floz\_10gpa 11 App2 Top  
## 127 21-DAT2 PQZ\_3.2floz\_30gpa 2 App2 Top  
## 128 21-DAT2 Sefina\_14oz\_10gpa 10 App2 Top  
## 129 21-DAT2 Sefina\_14oz\_30gpa 1 App2 Top  
## 130 21-DAT2 SivantoPrime\_14floz\_10gpa 12 App2 Top  
## 131 21-DAT2 SivantoPrime\_14floz\_30gpa 3 App2 Top  
## 132 21-DAT2 Untreated 15 App2 Top  
## DPR\_Label N2 WfNym.Mean WfNymSD WfNySE WfNy.Sum N3  
## 1 Acetamiprid\_LowCov 4 0.35000000 0.5744563 0.28722813 1.4 4  
## 2 Acetamiprid\_LowCov 3 0.06666667 0.1154701 0.06666667 0.2 3  
## 3 Acetamiprid\_StdCov 4 0.30000000 0.4760952 0.23804761 1.2 4  
## 4 Acetamiprid\_StdCov 4 0.10000000 0.1154701 0.05773503 0.4 4  
## 5 Buprofezin\_LowCov 4 1.35000000 2.3057898 1.15289491 5.4 4  
## 6 Buprofezin\_LowCov 4 0.05000000 0.1000000 0.05000000 0.2 4  
## 7 Buprofezin\_StdCov 4 0.25000000 0.3000000 0.15000000 1.0 4  
## 8 Buprofezin\_StdCov 3 0.06666667 0.1154701 0.06666667 0.2 3  
## 9 Pyrifluquinazon\_LowCov 4 0.40000000 0.2828427 0.14142136 1.6 4  
## 10 Pyrifluquinazon\_LowCov 4 0.05000000 0.1000000 0.05000000 0.2 4  
## 11 Pyrifluquinazon\_StdCov 4 0.20000000 0.2309401 0.11547005 0.8 4  
## 12 Pyrifluquinazon\_StdCov 4 0.00000000 0.0000000 0.00000000 0.0 4  
## 13 Afidopyropen\_LowCov 4 0.50000000 0.8717798 0.43588989 2.0 4  
## 14 Afidopyropen\_LowCov 4 0.00000000 0.0000000 0.00000000 0.0 4  
## 15 Afidopyropen\_StdCov 4 0.50000000 0.5291503 0.26457513 2.0 4  
## 16 Afidopyropen\_StdCov 4 0.00000000 0.0000000 0.00000000 0.0 4  
## 17 Flupyradifurone\_LowCov 4 0.35000000 0.7000000 0.35000000 1.4 4  
## 18 Flupyradifurone\_LowCov 4 0.00000000 0.0000000 0.00000000 0.0 4  
## 19 Flupyradifurone\_StdCov 4 0.30000000 0.3829708 0.19148542 1.2 4  
## 20 Flupyradifurone\_StdCov 4 0.20000000 0.2828427 0.14142136 0.8 4  
## 21 Untreated 4 0.05000000 0.1000000 0.05000000 0.2 4  
## 22 Untreated 4 0.20000000 0.1632993 0.08164966 0.8 4  
## 23 Acetamiprid\_LowCov 4 0.05000000 0.1000000 0.05000000 0.2 4  
## 24 Acetamiprid\_StdCov 4 0.95000000 1.3699148 0.68495742 3.8 4  
## 25 Buprofezin\_LowCov 4 0.20000000 0.4000000 0.20000000 0.8 4  
## 26 Buprofezin\_StdCov 4 0.10000000 0.1154701 0.05773503 0.4 4  
## 27 Pyrifluquinazon\_LowCov 4 0.25000000 0.3785939 0.18929694 1.0 4  
## 28 Pyrifluquinazon\_StdCov 4 0.25000000 0.1914854 0.09574271 1.0 4  
## 29 Afidopyropen\_LowCov 4 0.35000000 0.4725816 0.23629078 1.4 4  
## 30 Afidopyropen\_StdCov 4 0.20000000 0.4000000 0.20000000 0.8 4  
## 31 Flupyradifurone\_LowCov 4 0.15000000 0.3000000 0.15000000 0.6 4  
## 32 Flupyradifurone\_StdCov 4 0.05000000 0.1000000 0.05000000 0.2 4  
## 33 Untreated 4 0.45000000 0.4123106 0.20615528 1.8 4  
## 34 Acetamiprid\_LowCov 4 0.05000000 0.1000000 0.05000000 0.2 4  
## 35 Acetamiprid\_LowCov 3 0.06666667 0.1154701 0.06666667 0.2 3  
## 36 Acetamiprid\_StdCov 4 0.20000000 0.2828427 0.14142136 0.8 4  
## 37 Acetamiprid\_StdCov 4 0.00000000 0.0000000 0.00000000 0.0 4  
## 38 Buprofezin\_LowCov 4 0.00000000 0.0000000 0.00000000 0.0 4  
## 39 Buprofezin\_LowCov 4 0.05000000 0.1000000 0.05000000 0.2 4  
## 40 Buprofezin\_StdCov 4 0.20000000 0.4000000 0.20000000 0.8 4  
## 41 Buprofezin\_StdCov 3 0.33333333 0.5773503 0.33333333 1.0 3  
## 42 Pyrifluquinazon\_LowCov 4 0.70000000 1.1489125 0.57445626 2.8 4  
## 43 Pyrifluquinazon\_LowCov 4 0.15000000 0.3000000 0.15000000 0.6 4  
## 44 Pyrifluquinazon\_StdCov 4 0.20000000 0.4000000 0.20000000 0.8 4  
## 45 Pyrifluquinazon\_StdCov 4 0.25000000 0.2516611 0.12583057 1.0 4  
## 46 Afidopyropen\_LowCov 4 0.00000000 0.0000000 0.00000000 0.0 4  
## 47 Afidopyropen\_LowCov 4 0.15000000 0.1914854 0.09574271 0.6 4  
## 48 Afidopyropen\_StdCov 4 0.35000000 0.2516611 0.12583057 1.4 4  
## 49 Afidopyropen\_StdCov 4 0.05000000 0.1000000 0.05000000 0.2 4  
## 50 Flupyradifurone\_LowCov 4 0.05000000 0.1000000 0.05000000 0.2 4  
## 51 Flupyradifurone\_LowCov 4 0.25000000 0.3000000 0.15000000 1.0 4  
## 52 Flupyradifurone\_StdCov 4 1.05000000 2.1000000 1.05000000 4.2 4  
## 53 Flupyradifurone\_StdCov 4 0.20000000 0.4000000 0.20000000 0.8 4  
## 54 Untreated 4 0.35000000 0.3415650 0.17078251 1.4 4  
## 55 Untreated 4 0.40000000 0.4618802 0.23094011 1.6 4  
## 56 Acetamiprid\_LowCov 4 0.30000000 0.6000000 0.30000000 1.2 4  
## 57 Acetamiprid\_StdCov 4 0.05000000 0.1000000 0.05000000 0.2 4  
## 58 Buprofezin\_LowCov 4 0.20000000 0.1632993 0.08164966 0.8 4  
## 59 Buprofezin\_StdCov 4 0.05000000 0.1000000 0.05000000 0.2 4  
## 60 Pyrifluquinazon\_LowCov 4 0.10000000 0.2000000 0.10000000 0.4 4  
## 61 Pyrifluquinazon\_StdCov 4 0.40000000 0.8000000 0.40000000 1.6 4  
## 62 Afidopyropen\_LowCov 4 0.10000000 0.2000000 0.10000000 0.4 4  
## 63 Afidopyropen\_StdCov 4 0.25000000 0.3000000 0.15000000 1.0 4  
## 64 Flupyradifurone\_LowCov 4 0.45000000 0.5744563 0.28722813 1.8 4  
## 65 Flupyradifurone\_StdCov 4 0.15000000 0.1914854 0.09574271 0.6 4  
## 66 Untreated 4 0.20000000 0.2828427 0.14142136 0.8 4  
## 67 Acetamiprid\_LowCov 4 0.95000000 0.6608076 0.33040379 3.8 4  
## 68 Acetamiprid\_LowCov 3 0.40000000 0.6928203 0.40000000 1.2 3  
## 69 Acetamiprid\_StdCov 4 1.20000000 1.7962925 0.89814624 4.8 4  
## 70 Acetamiprid\_StdCov 4 1.15000000 1.2261049 0.61305247 4.6 4  
## 71 Buprofezin\_LowCov 4 0.25000000 0.2516611 0.12583057 1.0 4  
## 72 Buprofezin\_LowCov 4 0.40000000 0.3651484 0.18257419 1.6 4  
## 73 Buprofezin\_StdCov 4 0.10000000 0.2000000 0.10000000 0.4 4  
## 74 Buprofezin\_StdCov 3 0.40000000 0.4000000 0.23094011 1.2 3  
## 75 Pyrifluquinazon\_LowCov 4 1.70000000 3.2680269 1.63401346 6.8 4  
## 76 Pyrifluquinazon\_LowCov 4 0.50000000 0.7393691 0.36968455 2.0 4  
## 77 Pyrifluquinazon\_StdCov 4 0.10000000 0.1154701 0.05773503 0.4 4  
## 78 Pyrifluquinazon\_StdCov 4 0.70000000 0.5773503 0.28867513 2.8 4  
## 79 Afidopyropen\_LowCov 4 0.95000000 1.2793227 0.63966137 3.8 4  
## 80 Afidopyropen\_LowCov 4 1.10000000 1.0893423 0.54467115 4.4 4  
## 81 Afidopyropen\_StdCov 4 0.90000000 1.2806248 0.64031242 3.6 4  
## 82 Afidopyropen\_StdCov 4 0.70000000 0.6633250 0.33166248 2.8 4  
## 83 Flupyradifurone\_LowCov 4 2.75000000 1.9278658 0.96393292 11.0 4  
## 84 Flupyradifurone\_LowCov 4 1.05000000 0.7549834 0.37749172 4.2 4  
## 85 Flupyradifurone\_StdCov 4 0.25000000 0.3785939 0.18929694 1.0 4  
## 86 Flupyradifurone\_StdCov 4 0.30000000 0.4760952 0.23804761 1.2 4  
## 87 Untreated 4 0.85000000 0.8062258 0.40311289 3.4 4  
## 88 Untreated 4 0.90000000 1.0893423 0.54467115 3.6 4  
## 89 Acetamiprid\_LowCov 4 1.15000000 0.4123106 0.20615528 4.6 4  
## 90 Acetamiprid\_StdCov 4 1.10000000 0.7393691 0.36968455 4.4 4  
## 91 Buprofezin\_LowCov 4 0.20000000 0.2309401 0.11547005 0.8 4  
## 92 Buprofezin\_StdCov 4 0.65000000 0.9433981 0.47169906 2.6 4  
## 93 Pyrifluquinazon\_LowCov 4 0.50000000 0.2000000 0.10000000 2.0 4  
## 94 Pyrifluquinazon\_StdCov 4 0.25000000 0.2516611 0.12583057 1.0 4  
## 95 Afidopyropen\_LowCov 4 1.95000000 0.8698659 0.43493295 7.8 4  
## 96 Afidopyropen\_StdCov 4 1.35000000 1.9209373 0.96046864 5.4 4  
## 97 Flupyradifurone\_LowCov 4 0.60000000 0.4000000 0.20000000 2.4 4  
## 98 Flupyradifurone\_StdCov 4 0.15000000 0.1914854 0.09574271 0.6 4  
## 99 Untreated 4 1.25000000 1.3000000 0.65000000 5.0 4  
## 100 Acetamiprid\_LowCov 4 2.60000000 1.7358955 0.86794777 10.4 4  
## 101 Acetamiprid\_LowCov 3 2.26666667 0.8082904 0.46666667 6.8 3  
## 102 Acetamiprid\_StdCov 4 1.70000000 0.3829708 0.19148542 6.8 4  
## 103 Acetamiprid\_StdCov 4 0.90000000 1.5448840 0.77244202 3.6 4  
## 104 Buprofezin\_LowCov 4 0.10000000 0.1154701 0.05773503 0.4 4  
## 105 Buprofezin\_LowCov 4 0.35000000 0.4123106 0.20615528 1.4 4  
## 106 Buprofezin\_StdCov 4 0.25000000 0.3785939 0.18929694 1.0 4  
## 107 Buprofezin\_StdCov 3 1.40000000 1.4000000 0.80829038 4.2 3  
## 108 Pyrifluquinazon\_LowCov 4 1.85000000 1.0376255 0.51881275 7.4 4  
## 109 Pyrifluquinazon\_LowCov 4 0.70000000 0.6831301 0.34156503 2.8 4  
## 110 Pyrifluquinazon\_StdCov 4 0.65000000 0.3785939 0.18929694 2.6 4  
## 111 Pyrifluquinazon\_StdCov 4 1.10000000 0.4163332 0.20816660 4.4 4  
## 112 Afidopyropen\_LowCov 4 1.10000000 0.9309493 0.46547467 4.4 4  
## 113 Afidopyropen\_LowCov 4 0.75000000 0.9712535 0.48562674 3.0 4  
## 114 Afidopyropen\_StdCov 4 0.95000000 1.7691806 0.88459030 3.8 4  
## 115 Afidopyropen\_StdCov 4 0.75000000 0.8386497 0.41932485 3.0 4  
## 116 Flupyradifurone\_LowCov 4 1.45000000 2.2353225 1.11766125 5.8 4  
## 117 Flupyradifurone\_LowCov 4 5.90000000 10.3518114 5.17590572 23.6 4  
## 118 Flupyradifurone\_StdCov 4 0.70000000 0.5291503 0.26457513 2.8 4  
## 119 Flupyradifurone\_StdCov 4 0.60000000 0.3651484 0.18257419 2.4 4  
## 120 Untreated 4 1.55000000 1.0630146 0.53150729 6.2 4  
## 121 Untreated 4 2.25000000 0.9574271 0.47871355 9.0 4  
## 122 Acetamiprid\_LowCov 4 1.10000000 1.1489125 0.57445626 4.4 4  
## 123 Acetamiprid\_StdCov 4 1.20000000 0.9092121 0.45460606 4.8 4  
## 124 Buprofezin\_LowCov 4 0.10000000 0.1154701 0.05773503 0.4 4  
## 125 Buprofezin\_StdCov 4 0.50000000 0.3464102 0.17320508 2.0 4  
## 126 Pyrifluquinazon\_LowCov 4 3.95000000 7.1224996 3.56124978 15.8 4  
## 127 Pyrifluquinazon\_StdCov 4 0.50000000 0.5291503 0.26457513 2.0 4  
## 128 Afidopyropen\_LowCov 4 1.25000000 1.1120552 0.55602758 5.0 4  
## 129 Afidopyropen\_StdCov 4 1.25000000 1.2897028 0.64485140 5.0 4  
## 130 Flupyradifurone\_LowCov 4 0.25000000 0.3785939 0.18929694 1.0 4  
## 131 Flupyradifurone\_StdCov 4 1.00000000 0.8485281 0.42426407 4.0 4  
## 132 Untreated 4 2.10000000 2.8774989 1.43874946 8.4 4  
## WfAd.Mean WfAdSD WfAdSE WfAd.Sum  
## 1 0.08750000 0.10307764 0.05153882 0.35  
## 2 0.20000000 0.34641016 0.20000000 0.60  
## 3 0.17500000 0.35000000 0.17500000 0.70  
## 4 0.15000000 0.04082483 0.02041241 0.60  
## 5 0.02500000 0.05000000 0.02500000 0.10  
## 6 0.47500000 0.65128079 0.32564039 1.90  
## 7 0.11250000 0.22500000 0.11250000 0.45  
## 8 0.23333333 0.14433757 0.08333333 0.70  
## 9 0.02500000 0.05000000 0.02500000 0.10  
## 10 0.06250000 0.12500000 0.06250000 0.25  
## 11 0.01250000 0.02500000 0.01250000 0.05  
## 12 0.07500000 0.09574271 0.04787136 0.30  
## 13 0.13750000 0.27500000 0.13750000 0.55  
## 14 0.32500000 0.55151307 0.27575654 1.30  
## 15 0.18750000 0.37500000 0.18750000 0.75  
## 16 0.63750000 1.20925252 0.60462626 2.55  
## 17 0.01250000 0.02500000 0.01250000 0.05  
## 18 0.16250000 0.17969882 0.08984941 0.65  
## 19 0.03750000 0.07500000 0.03750000 0.15  
## 20 0.16250000 0.12500000 0.06250000 0.65  
## 21 0.10000000 0.20000000 0.10000000 0.40  
## 22 0.33750000 0.54371408 0.27185704 1.35  
## 23 0.15000000 0.07071068 0.03535534 0.60  
## 24 0.11250000 0.10307764 0.05153882 0.45  
## 25 0.07500000 0.11902381 0.05951190 0.30  
## 26 0.13750000 0.11814539 0.05907270 0.55  
## 27 0.07500000 0.08660254 0.04330127 0.30  
## 28 0.08750000 0.08539126 0.04269563 0.35  
## 29 0.17500000 0.21794495 0.10897247 0.70  
## 30 0.06250000 0.09464847 0.04732424 0.25  
## 31 0.10000000 0.16832508 0.08416254 0.40  
## 32 0.01250000 0.02500000 0.01250000 0.05  
## 33 0.06250000 0.02500000 0.01250000 0.25  
## 34 0.02500000 0.02886751 0.01443376 0.10  
## 35 0.00000000 0.00000000 0.00000000 0.00  
## 36 0.01250000 0.02500000 0.01250000 0.05  
## 37 0.01250000 0.02500000 0.01250000 0.05  
## 38 0.00000000 0.00000000 0.00000000 0.00  
## 39 0.02500000 0.05000000 0.02500000 0.10  
## 40 0.03750000 0.07500000 0.03750000 0.15  
## 41 0.13333333 0.23094011 0.13333333 0.40  
## 42 0.00000000 0.00000000 0.00000000 0.00  
## 43 0.00000000 0.00000000 0.00000000 0.00  
## 44 0.00000000 0.00000000 0.00000000 0.00  
## 45 0.12500000 0.25000000 0.12500000 0.50  
## 46 0.00000000 0.00000000 0.00000000 0.00  
## 47 0.02500000 0.05000000 0.02500000 0.10  
## 48 0.01250000 0.02500000 0.01250000 0.05  
## 49 0.00000000 0.00000000 0.00000000 0.00  
## 50 0.00000000 0.00000000 0.00000000 0.00  
## 51 0.05000000 0.07071068 0.03535534 0.20  
## 52 0.00000000 0.00000000 0.00000000 0.00  
## 53 0.00000000 0.00000000 0.00000000 0.00  
## 54 0.02500000 0.05000000 0.02500000 0.10  
## 55 0.00000000 0.00000000 0.00000000 0.00  
## 56 0.07500000 0.08660254 0.04330127 0.30  
## 57 0.10000000 0.04082483 0.02041241 0.40  
## 58 0.02500000 0.05000000 0.02500000 0.10  
## 59 0.13750000 0.21360009 0.10680005 0.55  
## 60 0.07500000 0.05000000 0.02500000 0.30  
## 61 0.13750000 0.14930394 0.07465197 0.55  
## 62 0.15000000 0.07071068 0.03535534 0.60  
## 63 0.08750000 0.11086779 0.05543389 0.35  
## 64 0.05000000 0.05773503 0.02886751 0.20  
## 65 0.05000000 0.04082483 0.02041241 0.20  
## 66 0.05000000 0.07071068 0.03535534 0.20  
## 67 0.02500000 0.05000000 0.02500000 0.10  
## 68 0.00000000 0.00000000 0.00000000 0.00  
## 69 0.01250000 0.02500000 0.01250000 0.05  
## 70 0.01250000 0.02500000 0.01250000 0.05  
## 71 0.02500000 0.05000000 0.02500000 0.10  
## 72 0.01250000 0.02500000 0.01250000 0.05  
## 73 0.01250000 0.02500000 0.01250000 0.05  
## 74 0.00000000 0.00000000 0.00000000 0.00  
## 75 0.11250000 0.16520190 0.08260095 0.45  
## 76 0.06250000 0.09464847 0.04732424 0.25  
## 77 0.00000000 0.00000000 0.00000000 0.00  
## 78 0.00000000 0.00000000 0.00000000 0.00  
## 79 0.01250000 0.02500000 0.01250000 0.05  
## 80 0.00000000 0.00000000 0.00000000 0.00  
## 81 0.01250000 0.02500000 0.01250000 0.05  
## 82 0.02500000 0.02886751 0.01443376 0.10  
## 83 0.03750000 0.07500000 0.03750000 0.15  
## 84 0.00000000 0.00000000 0.00000000 0.00  
## 85 0.00000000 0.00000000 0.00000000 0.00  
## 86 0.00000000 0.00000000 0.00000000 0.00  
## 87 0.00000000 0.00000000 0.00000000 0.00  
## 88 0.05000000 0.07071068 0.03535534 0.20  
## 89 0.10000000 0.10801234 0.05400617 0.40  
## 90 0.13750000 0.17969882 0.08984941 0.55  
## 91 0.10000000 0.14142136 0.07071068 0.40  
## 92 0.56250000 1.02581269 0.51290634 2.25  
## 93 0.03750000 0.04787136 0.02393568 0.15  
## 94 0.21250000 0.27195281 0.13597641 0.85  
## 95 0.57500000 1.15000000 0.57500000 2.30  
## 96 0.05000000 0.10000000 0.05000000 0.20  
## 97 0.03750000 0.02500000 0.01250000 0.15  
## 98 0.02500000 0.02886751 0.01443376 0.10  
## 99 0.10000000 0.12247449 0.06123724 0.40  
## 100 0.07500000 0.08660254 0.04330127 0.30  
## 101 0.08333333 0.10408330 0.06009252 0.25  
## 102 0.11250000 0.16520190 0.08260095 0.45  
## 103 0.00000000 0.00000000 0.00000000 0.00  
## 104 0.12500000 0.10408330 0.05204165 0.50  
## 105 0.50000000 0.54006172 0.27003086 2.00  
## 106 0.22500000 0.22173558 0.11086779 0.90  
## 107 0.31666667 0.50579970 0.29202359 0.95  
## 108 0.13750000 0.16007811 0.08003905 0.55  
## 109 0.06250000 0.07500000 0.03750000 0.25  
## 110 0.12500000 0.15000000 0.07500000 0.50  
## 111 0.25000000 0.19578900 0.09789450 1.00  
## 112 0.06250000 0.12500000 0.06250000 0.25  
## 113 0.11250000 0.14361407 0.07180703 0.45  
## 114 0.06250000 0.07500000 0.03750000 0.25  
## 115 0.06250000 0.09464847 0.04732424 0.25  
## 116 0.20000000 0.40000000 0.20000000 0.80  
## 117 0.03750000 0.07500000 0.03750000 0.15  
## 118 0.01250000 0.02500000 0.01250000 0.05  
## 119 0.00000000 0.00000000 0.00000000 0.00  
## 120 0.30000000 0.31622777 0.15811388 1.20  
## 121 0.38750000 0.61152133 0.30576066 1.55  
## 122 0.80000000 1.24298029 0.62149014 3.20  
## 123 2.87500000 5.75000000 2.87500000 11.50  
## 124 0.67500000 0.67638746 0.33819373 2.70  
## 125 0.50000000 0.44158804 0.22079402 2.00  
## 126 1.43750000 2.74237579 1.37118790 5.75  
## 127 1.38750000 1.52007401 0.76003701 5.55  
## 128 0.98750000 1.74373880 0.87186940 3.95  
## 129 1.30000000 1.83348484 0.91674242 5.20  
## 130 1.06250000 1.99180613 0.99590307 4.25  
## 131 0.23750000 0.41104542 0.20552271 0.95  
## 132 0.22500000 0.23979158 0.11989579 0.90

## Product TRT Block Leaf\_Location DPR\_Label  
## 1 Assail\_2.3oz\_10gpa 14 1 Bottom Acetamiprid\_LowCov  
## 2 Assail\_2.3oz\_10gpa 14 1 Bottom Acetamiprid\_LowCov  
## 3 Assail\_2.3oz\_10gpa 14 1 Bottom Acetamiprid\_LowCov  
## 4 Assail\_2.3oz\_10gpa 14 1 Bottom Acetamiprid\_LowCov  
## 5 Assail\_2.3oz\_10gpa 14 1 Top Acetamiprid\_LowCov  
## 6 Assail\_2.3oz\_10gpa 14 1 Top Acetamiprid\_LowCov  
## 7 Assail\_2.3oz\_10gpa 14 1 Top Acetamiprid\_LowCov  
## 8 Assail\_2.3oz\_10gpa 14 1 Top Acetamiprid\_LowCov  
## 9 Assail\_2.3oz\_10gpa 14 2 Bottom Acetamiprid\_LowCov  
## 10 Assail\_2.3oz\_10gpa 14 2 Bottom Acetamiprid\_LowCov  
## 11 Assail\_2.3oz\_10gpa 14 2 Bottom Acetamiprid\_LowCov  
## 12 Assail\_2.3oz\_10gpa 14 2 Bottom Acetamiprid\_LowCov  
## 13 Assail\_2.3oz\_10gpa 14 2 Top Acetamiprid\_LowCov  
## 14 Assail\_2.3oz\_10gpa 14 2 Top Acetamiprid\_LowCov  
## 15 Assail\_2.3oz\_10gpa 14 2 Top Acetamiprid\_LowCov  
## 16 Assail\_2.3oz\_10gpa 14 2 Top Acetamiprid\_LowCov  
## 17 Assail\_2.3oz\_10gpa 14 2 Top Acetamiprid\_LowCov  
## 18 Assail\_2.3oz\_10gpa 14 2 Top Acetamiprid\_LowCov  
## 19 Assail\_2.3oz\_10gpa 14 2 Top Acetamiprid\_LowCov  
## 20 Assail\_2.3oz\_10gpa 14 2 Top Acetamiprid\_LowCov  
## 21 Assail\_2.3oz\_10gpa 14 3 Bottom Acetamiprid\_LowCov  
## 22 Assail\_2.3oz\_10gpa 14 3 Bottom Acetamiprid\_LowCov  
## 23 Assail\_2.3oz\_10gpa 14 3 Bottom Acetamiprid\_LowCov  
## 24 Assail\_2.3oz\_10gpa 14 3 Bottom Acetamiprid\_LowCov  
## 25 Assail\_2.3oz\_10gpa 14 3 Top Acetamiprid\_LowCov  
## 26 Assail\_2.3oz\_10gpa 14 3 Top Acetamiprid\_LowCov  
## 27 Assail\_2.3oz\_10gpa 14 3 Top Acetamiprid\_LowCov  
## 28 Assail\_2.3oz\_10gpa 14 3 Top Acetamiprid\_LowCov  
## 29 Assail\_2.3oz\_10gpa 14 3 Top Acetamiprid\_LowCov  
## 30 Assail\_2.3oz\_10gpa 14 3 Top Acetamiprid\_LowCov  
## 31 Assail\_2.3oz\_10gpa 14 3 Top Acetamiprid\_LowCov  
## 32 Assail\_2.3oz\_10gpa 14 3 Top Acetamiprid\_LowCov  
## 33 Assail\_2.3oz\_10gpa 14 4 Bottom Acetamiprid\_LowCov  
## 34 Assail\_2.3oz\_10gpa 14 4 Bottom Acetamiprid\_LowCov  
## 35 Assail\_2.3oz\_10gpa 14 4 Bottom Acetamiprid\_LowCov  
## 36 Assail\_2.3oz\_10gpa 14 4 Bottom Acetamiprid\_LowCov  
## 37 Assail\_2.3oz\_10gpa 14 4 Top Acetamiprid\_LowCov  
## 38 Assail\_2.3oz\_10gpa 14 4 Top Acetamiprid\_LowCov  
## 39 Assail\_2.3oz\_10gpa 14 4 Top Acetamiprid\_LowCov  
## 40 Assail\_2.3oz\_10gpa 14 4 Top Acetamiprid\_LowCov  
## 41 Assail\_2.3oz\_10gpa 14 4 Top Acetamiprid\_LowCov  
## 42 Assail\_2.3oz\_10gpa 14 4 Top Acetamiprid\_LowCov  
## 43 Assail\_2.3oz\_10gpa 14 4 Top Acetamiprid\_LowCov  
## 44 Assail\_2.3oz\_10gpa 14 4 Top Acetamiprid\_LowCov  
## 45 Assail\_2.3oz\_30gpa 5 1 Bottom Acetamiprid\_StdCov  
## 46 Assail\_2.3oz\_30gpa 5 1 Bottom Acetamiprid\_StdCov  
## 47 Assail\_2.3oz\_30gpa 5 1 Bottom Acetamiprid\_StdCov  
## 48 Assail\_2.3oz\_30gpa 5 1 Bottom Acetamiprid\_StdCov  
## 49 Assail\_2.3oz\_30gpa 5 1 Top Acetamiprid\_StdCov  
## 50 Assail\_2.3oz\_30gpa 5 1 Top Acetamiprid\_StdCov  
## 51 Assail\_2.3oz\_30gpa 5 1 Top Acetamiprid\_StdCov  
## 52 Assail\_2.3oz\_30gpa 5 1 Top Acetamiprid\_StdCov  
## 53 Assail\_2.3oz\_30gpa 5 1 Top Acetamiprid\_StdCov  
## 54 Assail\_2.3oz\_30gpa 5 1 Top Acetamiprid\_StdCov  
## 55 Assail\_2.3oz\_30gpa 5 1 Top Acetamiprid\_StdCov  
## 56 Assail\_2.3oz\_30gpa 5 1 Top Acetamiprid\_StdCov  
## 57 Assail\_2.3oz\_30gpa 5 2 Bottom Acetamiprid\_StdCov  
## 58 Assail\_2.3oz\_30gpa 5 2 Bottom Acetamiprid\_StdCov  
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## 62 Assail\_2.3oz\_30gpa 5 2 Top Acetamiprid\_StdCov  
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## 64 Assail\_2.3oz\_30gpa 5 2 Top Acetamiprid\_StdCov  
## 65 Assail\_2.3oz\_30gpa 5 2 Top Acetamiprid\_StdCov  
## 66 Assail\_2.3oz\_30gpa 5 2 Top Acetamiprid\_StdCov  
## 67 Assail\_2.3oz\_30gpa 5 2 Top Acetamiprid\_StdCov  
## 68 Assail\_2.3oz\_30gpa 5 2 Top Acetamiprid\_StdCov  
## 69 Assail\_2.3oz\_30gpa 5 3 Bottom Acetamiprid\_StdCov  
## 70 Assail\_2.3oz\_30gpa 5 3 Bottom Acetamiprid\_StdCov  
## 71 Assail\_2.3oz\_30gpa 5 3 Bottom Acetamiprid\_StdCov  
## 72 Assail\_2.3oz\_30gpa 5 3 Bottom Acetamiprid\_StdCov  
## 73 Assail\_2.3oz\_30gpa 5 3 Top Acetamiprid\_StdCov  
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## 83 Assail\_2.3oz\_30gpa 5 4 Bottom Acetamiprid\_StdCov  
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## 89 Assail\_2.3oz\_30gpa 5 4 Top Acetamiprid\_StdCov  
## 90 Assail\_2.3oz\_30gpa 5 4 Top Acetamiprid\_StdCov  
## 91 Assail\_2.3oz\_30gpa 5 4 Top Acetamiprid\_StdCov  
## 92 Assail\_2.3oz\_30gpa 5 4 Top Acetamiprid\_StdCov  
## 93 Courier\_12.5floz\_10gpa 13 1 Bottom Buprofezin\_LowCov  
## 94 Courier\_12.5floz\_10gpa 13 1 Bottom Buprofezin\_LowCov  
## 95 Courier\_12.5floz\_10gpa 13 1 Bottom Buprofezin\_LowCov  
## 96 Courier\_12.5floz\_10gpa 13 1 Bottom Buprofezin\_LowCov  
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## 106 Courier\_12.5floz\_10gpa 13 2 Bottom Buprofezin\_LowCov  
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## 111 Courier\_12.5floz\_10gpa 13 2 Top Buprofezin\_LowCov  
## 112 Courier\_12.5floz\_10gpa 13 2 Top Buprofezin\_LowCov  
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## 114 Courier\_12.5floz\_10gpa 13 2 Top Buprofezin\_LowCov  
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## 116 Courier\_12.5floz\_10gpa 13 2 Top Buprofezin\_LowCov  
## 117 Courier\_12.5floz\_10gpa 13 3 Bottom Buprofezin\_LowCov  
## 118 Courier\_12.5floz\_10gpa 13 3 Bottom Buprofezin\_LowCov  
## 119 Courier\_12.5floz\_10gpa 13 3 Bottom Buprofezin\_LowCov  
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## 123 Courier\_12.5floz\_10gpa 13 3 Top Buprofezin\_LowCov  
## 124 Courier\_12.5floz\_10gpa 13 3 Top Buprofezin\_LowCov  
## 125 Courier\_12.5floz\_10gpa 13 3 Top Buprofezin\_LowCov  
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## 127 Courier\_12.5floz\_10gpa 13 3 Top Buprofezin\_LowCov  
## 128 Courier\_12.5floz\_10gpa 13 3 Top Buprofezin\_LowCov  
## 129 Courier\_12.5floz\_10gpa 13 4 Bottom Buprofezin\_LowCov  
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## 141 Courier\_12.5floz\_30gpa 4 1 Bottom Buprofezin\_StdCov  
## 142 Courier\_12.5floz\_30gpa 4 1 Bottom Buprofezin\_StdCov  
## 143 Courier\_12.5floz\_30gpa 4 1 Bottom Buprofezin\_StdCov  
## 144 Courier\_12.5floz\_30gpa 4 1 Bottom Buprofezin\_StdCov  
## 145 Courier\_12.5floz\_30gpa 4 1 Top Buprofezin\_StdCov  
## 146 Courier\_12.5floz\_30gpa 4 1 Top Buprofezin\_StdCov  
## 147 Courier\_12.5floz\_30gpa 4 1 Top Buprofezin\_StdCov  
## 148 Courier\_12.5floz\_30gpa 4 1 Top Buprofezin\_StdCov  
## 149 Courier\_12.5floz\_30gpa 4 1 Top Buprofezin\_StdCov  
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## 152 Courier\_12.5floz\_30gpa 4 1 Top Buprofezin\_StdCov  
## 153 Courier\_12.5floz\_30gpa 4 2 Bottom Buprofezin\_StdCov  
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## 184 Courier\_12.5floz\_30gpa 4 4 Top Buprofezin\_StdCov  
## 185 PQZ\_3.2floz\_10gpa 11 1 Bottom Pyrifluquinazon\_LowCov  
## 186 PQZ\_3.2floz\_10gpa 11 1 Bottom Pyrifluquinazon\_LowCov  
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## 233 PQZ\_3.2floz\_30gpa 2 1 Bottom Pyrifluquinazon\_StdCov  
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## 281 Sefina\_14oz\_10gpa 10 1 Bottom Afidopyropen\_LowCov  
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## 377 SivantoPrime\_14floz\_10gpa 12 1 Bottom Flupyradifurone\_LowCov  
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## 424 SivantoPrime\_14floz\_10gpa 12 4 Top Flupyradifurone\_LowCov  
## 425 SivantoPrime\_14floz\_30gpa 3 1 Bottom Flupyradifurone\_StdCov  
## 426 SivantoPrime\_14floz\_30gpa 3 1 Bottom Flupyradifurone\_StdCov  
## 427 SivantoPrime\_14floz\_30gpa 3 1 Bottom Flupyradifurone\_StdCov  
## 428 SivantoPrime\_14floz\_30gpa 3 1 Bottom Flupyradifurone\_StdCov  
## 429 SivantoPrime\_14floz\_30gpa 3 1 Top Flupyradifurone\_StdCov  
## 430 SivantoPrime\_14floz\_30gpa 3 1 Top Flupyradifurone\_StdCov  
## 431 SivantoPrime\_14floz\_30gpa 3 1 Top Flupyradifurone\_StdCov  
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## 436 SivantoPrime\_14floz\_30gpa 3 1 Top Flupyradifurone\_StdCov  
## 437 SivantoPrime\_14floz\_30gpa 3 2 Bottom Flupyradifurone\_StdCov  
## 438 SivantoPrime\_14floz\_30gpa 3 2 Bottom Flupyradifurone\_StdCov  
## 439 SivantoPrime\_14floz\_30gpa 3 2 Bottom Flupyradifurone\_StdCov  
## 440 SivantoPrime\_14floz\_30gpa 3 2 Bottom Flupyradifurone\_StdCov  
## 441 SivantoPrime\_14floz\_30gpa 3 2 Top Flupyradifurone\_StdCov  
## 442 SivantoPrime\_14floz\_30gpa 3 2 Top Flupyradifurone\_StdCov  
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## 448 SivantoPrime\_14floz\_30gpa 3 2 Top Flupyradifurone\_StdCov  
## 449 SivantoPrime\_14floz\_30gpa 3 3 Bottom Flupyradifurone\_StdCov  
## 450 SivantoPrime\_14floz\_30gpa 3 3 Bottom Flupyradifurone\_StdCov  
## 451 SivantoPrime\_14floz\_30gpa 3 3 Bottom Flupyradifurone\_StdCov  
## 452 SivantoPrime\_14floz\_30gpa 3 3 Bottom Flupyradifurone\_StdCov  
## 453 SivantoPrime\_14floz\_30gpa 3 3 Top Flupyradifurone\_StdCov  
## 454 SivantoPrime\_14floz\_30gpa 3 3 Top Flupyradifurone\_StdCov  
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## 460 SivantoPrime\_14floz\_30gpa 3 3 Top Flupyradifurone\_StdCov  
## 461 SivantoPrime\_14floz\_30gpa 3 4 Bottom Flupyradifurone\_StdCov  
## 462 SivantoPrime\_14floz\_30gpa 3 4 Bottom Flupyradifurone\_StdCov  
## 463 SivantoPrime\_14floz\_30gpa 3 4 Bottom Flupyradifurone\_StdCov  
## 464 SivantoPrime\_14floz\_30gpa 3 4 Bottom Flupyradifurone\_StdCov  
## 465 SivantoPrime\_14floz\_30gpa 3 4 Top Flupyradifurone\_StdCov  
## 466 SivantoPrime\_14floz\_30gpa 3 4 Top Flupyradifurone\_StdCov  
## 467 SivantoPrime\_14floz\_30gpa 3 4 Top Flupyradifurone\_StdCov  
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## 470 SivantoPrime\_14floz\_30gpa 3 4 Top Flupyradifurone\_StdCov  
## 471 SivantoPrime\_14floz\_30gpa 3 4 Top Flupyradifurone\_StdCov  
## 472 SivantoPrime\_14floz\_30gpa 3 4 Top Flupyradifurone\_StdCov  
## 473 Untreated 15 1 Bottom Untreated  
## 474 Untreated 15 1 Bottom Untreated  
## 475 Untreated 15 1 Bottom Untreated  
## 476 Untreated 15 1 Bottom Untreated  
## 477 Untreated 15 1 Top Untreated  
## 478 Untreated 15 1 Top Untreated  
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## 484 Untreated 15 1 Top Untreated  
## 485 Untreated 15 2 Bottom Untreated  
## 486 Untreated 15 2 Bottom Untreated  
## 487 Untreated 15 2 Bottom Untreated  
## 488 Untreated 15 2 Bottom Untreated  
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## 497 Untreated 15 3 Bottom Untreated  
## 498 Untreated 15 3 Bottom Untreated  
## 499 Untreated 15 3 Bottom Untreated  
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## 508 Untreated 15 3 Top Untreated  
## 509 Untreated 15 4 Bottom Untreated  
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## 512 Untreated 15 4 Bottom Untreated  
## 513 Untreated 15 4 Top Untreated  
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## 516 Untreated 15 4 Top Untreated  
## 517 Untreated 15 4 Top Untreated  
## 518 Untreated 15 4 Top Untreated  
## 519 Untreated 15 4 Top Untreated  
## 520 Untreated 15 4 Top Untreated  
## App DAT WfNym.Sum WfAd.Sum Aph.Tot.Sum  
## 1 App1 7-DAT1 0.0 0.20 0.4  
## 2 App1 13-DAT1 0.2 0.05 2.4  
## 3 App2 7-DAT2 1.4 0.00 2.0  
## 4 App2 14-DAT2 4.6 0.00 1.8  
## 5 App1 10-DAT1 0.2 0.25 0.2  
## 6 App2 3-DAT2 1.2 0.05 0.4  
## 7 App2 10-DAT2 0.6 0.25 0.4  
## 8 App2 21-DAT2 2.8 2.65 2.4  
## 9 App1 7-DAT1 0.0 0.15 0.0  
## 10 App1 13-DAT1 0.0 0.05 3.2  
## 11 App2 7-DAT2 1.4 0.00 0.6  
## 12 App2 14-DAT2 3.0 0.00 0.6  
## 13 App1 7-DAT1 0.0 0.60 0.4  
## 14 App1 10-DAT1 0.0 0.10 0.2  
## 15 App1 13-DAT1 0.0 0.00 1.0  
## 16 App2 3-DAT2 0.0 0.00 1.8  
## 17 App2 7-DAT2 1.2 0.00 0.0  
## 18 App2 10-DAT2 1.6 0.05 1.2  
## 19 App2 14-DAT2 3.2 0.00 1.4  
## 20 App2 21-DAT2 0.4 0.40 0.4  
## 21 App1 7-DAT1 0.2 0.00 15.8  
## 22 App1 13-DAT1 0.0 0.00 20.2  
## 23 App2 7-DAT2 1.0 0.10 0.4  
## 24 App2 14-DAT2 2.4 0.15 1.4  
## 25 App1 7-DAT1 0.2 0.00 24.0  
## 26 App1 10-DAT1 0.0 0.15 10.6  
## 27 App1 13-DAT1 0.0 0.00 13.6  
## 28 App2 3-DAT2 0.0 0.05 4.0  
## 29 App2 7-DAT2 0.0 0.00 0.0  
## 30 App2 10-DAT2 1.2 0.00 0.0  
## 31 App2 14-DAT2 1.8 0.20 5.2  
## 32 App2 21-DAT2 0.8 0.10 3.6  
## 33 App1 7-DAT1 1.2 0.00 1.6  
## 34 App1 13-DAT1 0.0 0.00 1.2  
## 35 App2 7-DAT2 0.0 0.00 2.8  
## 36 App2 14-DAT2 0.4 0.15 4.2  
## 37 App1 7-DAT1 0.0 0.00 0.4  
## 38 App1 10-DAT1 0.0 0.10 1.0  
## 39 App1 13-DAT1 0.2 0.00 1.6  
## 40 App2 3-DAT2 0.0 0.20 4.2  
## 41 App2 7-DAT2 0.0 0.00 0.6  
## 42 App2 10-DAT2 1.2 0.10 0.4  
## 43 App2 14-DAT2 1.8 0.05 0.8  
## 44 App2 21-DAT2 0.4 0.05 0.0  
## 45 App1 7-DAT1 0.0 0.70 0.0  
## 46 App1 13-DAT1 0.2 0.05 5.6  
## 47 App2 7-DAT2 3.8 0.00 2.6  
## 48 App2 14-DAT2 1.8 0.00 0.2  
## 49 App1 7-DAT1 0.2 0.20 0.2  
## 50 App1 10-DAT1 3.0 0.20 0.0  
## 51 App1 13-DAT1 0.0 0.00 0.0  
## 52 App2 3-DAT2 0.0 0.10 0.6  
## 53 App2 7-DAT2 2.0 0.00 0.4  
## 54 App2 10-DAT2 1.0 0.10 0.8  
## 55 App2 14-DAT2 0.0 0.00 0.0  
## 56 App2 21-DAT2 1.0 0.00 0.0  
## 57 App1 7-DAT1 0.2 0.00 2.0  
## 58 App1 13-DAT1 0.0 0.00 9.0  
## 59 App2 7-DAT2 1.0 0.00 0.2  
## 60 App2 14-DAT2 2.2 0.00 2.2  
## 61 App1 7-DAT1 0.2 0.15 0.4  
## 62 App1 10-DAT1 0.2 0.20 0.2  
## 63 App1 13-DAT1 0.0 0.05 0.2  
## 64 App2 3-DAT2 0.0 0.15 0.6  
## 65 App2 7-DAT2 2.4 0.00 1.4  
## 66 App2 10-DAT2 0.2 0.05 1.8  
## 67 App2 14-DAT2 3.2 0.00 1.4  
## 68 App2 21-DAT2 1.2 11.50 3.0  
## 69 App1 7-DAT1 0.0 0.00 0.6  
## 70 App1 13-DAT1 0.0 0.00 0.2  
## 71 App2 7-DAT2 0.0 0.05 0.0  
## 72 App2 14-DAT2 1.4 0.10 1.0  
## 73 App1 7-DAT1 0.0 0.15 1.0  
## 74 App1 10-DAT1 0.4 0.00 0.2  
## 75 App1 13-DAT1 0.0 0.00 0.6  
## 76 App2 3-DAT2 0.2 0.10 0.6  
## 77 App2 7-DAT2 0.2 0.00 0.4  
## 78 App2 10-DAT2 1.2 0.00 0.0  
## 79 App2 14-DAT2 0.4 0.00 0.0  
## 80 App2 21-DAT2 0.2 0.00 0.0  
## 81 App1 7-DAT1 1.0 0.00 4.0  
## 82 App1 13-DAT1 0.6 0.00 1.4  
## 83 App2 7-DAT2 0.0 0.00 0.0  
## 84 App2 14-DAT2 1.4 0.35 0.0  
## 85 App1 7-DAT1 0.0 0.10 0.0  
## 86 App1 10-DAT1 0.2 0.05 0.2  
## 87 App1 13-DAT1 0.0 0.00 0.0  
## 88 App2 3-DAT2 0.0 0.05 0.0  
## 89 App2 7-DAT2 0.0 0.05 0.0  
## 90 App2 10-DAT2 2.0 0.40 0.0  
## 91 App2 14-DAT2 0.0 0.00 0.8  
## 92 App2 21-DAT2 2.4 0.00 0.2  
## 93 App1 7-DAT1 0.2 0.10 9.2  
## 94 App1 13-DAT1 0.0 0.00 39.2  
## 95 App2 7-DAT2 0.2 0.00 68.2  
## 96 App2 14-DAT2 0.2 0.00 108.8  
## 97 App1 7-DAT1 0.0 1.45 4.0  
## 98 App1 10-DAT1 0.0 0.25 27.4  
## 99 App1 13-DAT1 0.0 0.10 21.6  
## 100 App2 3-DAT2 0.4 0.10 15.6  
## 101 App2 7-DAT2 0.8 0.05 134.8  
## 102 App2 10-DAT2 0.4 0.30 33.8  
## 103 App2 14-DAT2 0.8 1.20 138.6  
## 104 App2 21-DAT2 0.0 1.60 57.4  
## 105 App1 7-DAT1 0.0 0.00 8.8  
## 106 App1 13-DAT1 0.0 0.00 13.6  
## 107 App2 7-DAT2 0.2 0.10 37.4  
## 108 App2 14-DAT2 0.0 0.10 39.0  
## 109 App1 7-DAT1 0.2 0.20 6.4  
## 110 App1 10-DAT1 0.0 0.00 5.8  
## 111 App1 13-DAT1 0.0 0.00 9.8  
## 112 App2 3-DAT2 0.2 0.00 12.0  
## 113 App2 7-DAT2 0.6 0.00 49.0  
## 114 App2 10-DAT2 0.0 0.00 9.0  
## 115 App2 14-DAT2 0.0 0.65 21.0  
## 116 App2 21-DAT2 0.2 0.75 184.8  
## 117 App1 7-DAT1 0.4 0.00 22.6  
## 118 App1 13-DAT1 0.0 0.00 33.4  
## 119 App2 7-DAT2 0.6 0.00 3.4  
## 120 App2 14-DAT2 0.0 0.25 60.4  
## 121 App1 7-DAT1 0.0 0.10 15.6  
## 122 App1 10-DAT1 0.0 0.00 75.8  
## 123 App1 13-DAT1 0.0 0.00 36.4  
## 124 App2 3-DAT2 0.2 0.00 43.6  
## 125 App2 7-DAT2 0.2 0.00 4.8  
## 126 App2 10-DAT2 0.0 0.10 51.2  
## 127 App2 14-DAT2 0.0 0.05 110.0  
## 128 App2 21-DAT2 0.0 0.10 42.2  
## 129 App1 7-DAT1 4.8 0.00 18.8  
## 130 App1 13-DAT1 0.0 0.00 9.4  
## 131 App2 7-DAT2 0.0 0.00 14.2  
## 132 App2 14-DAT2 0.2 0.15 13.4  
## 133 App1 7-DAT1 0.0 0.15 4.8  
## 134 App1 10-DAT1 0.8 0.05 4.0  
## 135 App1 13-DAT1 0.2 0.00 12.0  
## 136 App2 3-DAT2 0.0 0.00 9.6  
## 137 App2 7-DAT2 0.0 0.00 7.8  
## 138 App2 10-DAT2 0.4 0.00 20.2  
## 139 App2 14-DAT2 0.6 0.10 0.0  
## 140 App2 21-DAT2 0.2 0.25 29.0  
## 141 App1 7-DAT1 0.0 0.45 12.8  
## 142 App1 13-DAT1 0.8 0.15 30.4  
## 143 App2 7-DAT2 0.4 0.00 16.6  
## 144 App2 14-DAT2 0.8 0.00 139.0  
## 145 App1 7-DAT1 0.0 0.40 66.2  
## 146 App1 10-DAT1 0.2 0.30 20.2  
## 147 App1 13-DAT1 1.0 0.40 30.6  
## 148 App2 3-DAT2 0.0 0.45 9.2  
## 149 App2 7-DAT2 0.8 0.00 0.0  
## 150 App2 10-DAT2 2.0 2.10 4.2  
## 151 App2 14-DAT2 1.4 0.00 208.2  
## 152 App2 21-DAT2 0.2 1.05 246.8  
## 153 App1 7-DAT1 0.6 0.00 39.0  
## 154 App1 13-DAT1 0.0 0.00 14.0  
## 155 App2 7-DAT2 0.0 0.05 69.0  
## 156 App2 14-DAT2 0.0 0.30 36.6  
## 157 App1 7-DAT1 0.0 0.15 10.6  
## 158 App1 10-DAT1 0.0 0.05 28.0  
## 159 App1 13-DAT1 0.0 0.00 5.6  
## 160 App2 3-DAT2 0.2 0.00 19.6  
## 161 App2 7-DAT2 0.4 0.00 80.8  
## 162 App2 10-DAT2 0.0 0.05 131.8  
## 163 App2 14-DAT2 2.8 0.90 86.4  
## 164 App2 21-DAT2 0.2 0.60 117.2  
## 165 App1 7-DAT1 0.4 0.00 14.2  
## 166 App1 13-DAT1 0.0 0.00 10.2  
## 167 App2 7-DAT2 0.0 0.00 29.8  
## 168 App2 14-DAT2 0.2 0.10 36.6  
## 169 App1 7-DAT1 0.2 0.15 6.0  
## 170 App1 10-DAT1 0.2 0.15 16.2  
## 171 App1 13-DAT1 0.0 0.00 11.2  
## 172 App2 3-DAT2 0.0 0.10 17.8  
## 173 App2 7-DAT2 0.0 0.00 20.2  
## 174 App2 10-DAT2 0.0 0.10 68.4  
## 175 App2 14-DAT2 0.0 0.05 0.8  
## 176 App2 21-DAT2 0.8 0.35 15.4  
## 177 App1 7-DAT1 0.0 0.00 7.6  
## 178 App1 13-DAT1 0.0 0.00 16.4  
## 179 App2 7-DAT2 0.0 0.00 95.0  
## 180 App2 14-DAT2 0.0 0.50 65.4  
## 181 App1 10-DAT1 0.0 0.05 74.4  
## 182 App2 3-DAT2 0.0 0.00 48.4  
## 183 App2 10-DAT2 0.6 0.00 244.4  
## 184 App2 21-DAT2 0.8 0.00 82.6  
## 185 App1 7-DAT1 0.0 0.00 0.6  
## 186 App1 13-DAT1 0.0 0.00 0.0  
## 187 App2 7-DAT2 0.0 0.00 1.2  
## 188 App2 14-DAT2 2.6 0.00 149.6  
## 189 App1 7-DAT1 0.2 0.00 0.2  
## 190 App1 10-DAT1 0.0 0.00 0.8  
## 191 App1 13-DAT1 0.0 0.00 0.6  
## 192 App2 3-DAT2 0.4 0.10 2.0  
## 193 App2 7-DAT2 0.2 0.00 0.2  
## 194 App2 10-DAT2 0.8 0.10 0.4  
## 195 App2 14-DAT2 1.6 0.00 28.0  
## 196 App2 21-DAT2 14.6 5.55 6.6  
## 197 App1 7-DAT1 0.6 0.00 3.6  
## 198 App1 13-DAT1 0.0 0.00 1.4  
## 199 App2 7-DAT2 0.2 0.00 4.8  
## 200 App2 14-DAT2 0.6 0.00 0.8  
## 201 App1 7-DAT1 0.0 0.25 3.4  
## 202 App1 10-DAT1 0.0 0.05 4.4  
## 203 App1 13-DAT1 0.0 0.00 6.0  
## 204 App2 3-DAT2 0.0 0.10 14.4  
## 205 App2 7-DAT2 1.6 0.05 21.6  
## 206 App2 10-DAT2 0.4 0.05 4.4  
## 207 App2 14-DAT2 0.4 0.00 0.2  
## 208 App2 21-DAT2 1.2 0.00 5.6  
## 209 App1 7-DAT1 0.6 0.10 56.2  
## 210 App1 13-DAT1 2.4 0.00 2.0  
## 211 App2 7-DAT2 6.6 0.35 0.6  
## 212 App2 14-DAT2 1.4 0.25 0.2  
## 213 App1 7-DAT1 0.0 0.00 2.6  
## 214 App1 10-DAT1 0.2 0.05 0.4  
## 215 App1 13-DAT1 0.6 0.00 0.6  
## 216 App2 3-DAT2 0.0 0.00 0.2  
## 217 App2 7-DAT2 0.2 0.20 0.0  
## 218 App2 10-DAT2 0.4 0.00 0.2  
## 219 App2 14-DAT2 0.8 0.15 0.6  
## 220 App2 21-DAT2 0.0 0.05 0.4  
## 221 App1 7-DAT1 0.4 0.00 5.6  
## 222 App1 13-DAT1 0.4 0.00 1.0  
## 223 App2 7-DAT2 0.0 0.10 0.6  
## 224 App2 14-DAT2 2.8 0.30 17.4  
## 225 App1 7-DAT1 0.0 0.00 1.6  
## 226 App1 10-DAT1 0.8 0.20 6.2  
## 227 App1 13-DAT1 0.0 0.00 4.2  
## 228 App2 3-DAT2 0.0 0.10 0.0  
## 229 App2 7-DAT2 0.0 0.00 0.8  
## 230 App2 10-DAT2 0.4 0.00 0.2  
## 231 App2 14-DAT2 0.0 0.10 1.0  
## 232 App2 21-DAT2 0.0 0.15 0.8  
## 233 App1 7-DAT1 0.0 0.05 2.0  
## 234 App1 13-DAT1 0.8 0.00 6.8  
## 235 App2 7-DAT2 0.0 0.00 2.0  
## 236 App2 14-DAT2 0.6 0.00 3.2  
## 237 App1 7-DAT1 0.0 0.20 3.4  
## 238 App1 10-DAT1 0.2 0.20 3.2  
## 239 App1 13-DAT1 0.2 0.50 4.2  
## 240 App2 3-DAT2 1.6 0.35 2.8  
## 241 App2 7-DAT2 0.6 0.00 6.2  
## 242 App2 10-DAT2 0.2 0.60 0.4  
## 243 App2 14-DAT2 1.2 0.00 1.8  
## 244 App2 21-DAT2 0.6 3.05 4.2  
## 245 App1 7-DAT1 0.0 0.00 1.4  
## 246 App1 13-DAT1 0.0 0.00 0.4  
## 247 App2 7-DAT2 0.2 0.00 0.2  
## 248 App2 14-DAT2 0.4 0.00 2.4  
## 249 App1 7-DAT1 0.0 0.00 3.2  
## 250 App1 10-DAT1 0.0 0.05 1.8  
## 251 App1 13-DAT1 0.2 0.00 1.6  
## 252 App2 3-DAT2 0.0 0.10 6.0  
## 253 App2 7-DAT2 1.4 0.00 2.6  
## 254 App2 10-DAT2 0.0 0.00 1.0  
## 255 App2 14-DAT2 0.6 0.20 1.4  
## 256 App2 21-DAT2 1.2 0.00 2.8  
## 257 App1 7-DAT1 0.4 0.00 22.6  
## 258 App1 13-DAT1 0.0 0.00 2.4  
## 259 App2 7-DAT2 0.2 0.00 7.2  
## 260 App2 14-DAT2 1.2 0.20 1.4  
## 261 App1 7-DAT1 0.0 0.00 3.8  
## 262 App1 10-DAT1 0.4 0.10 2.0  
## 263 App1 13-DAT1 0.0 0.00 4.0  
## 264 App2 3-DAT2 0.0 0.00 1.0  
## 265 App2 7-DAT2 0.8 0.00 3.0  
## 266 App2 10-DAT2 0.6 0.05 1.2  
## 267 App2 14-DAT2 1.6 0.45 4.4  
## 268 App2 21-DAT2 0.2 2.30 1.4  
## 269 App1 7-DAT1 0.4 0.00 5.0  
## 270 App1 13-DAT1 0.0 0.00 2.8  
## 271 App2 7-DAT2 0.0 0.00 0.4  
## 272 App2 14-DAT2 0.4 0.30 0.6  
## 273 App1 7-DAT1 0.0 0.10 4.4  
## 274 App1 10-DAT1 0.4 0.00 10.2  
## 275 App1 13-DAT1 0.6 0.00 17.6  
## 276 App2 3-DAT2 0.0 0.10 0.4  
## 277 App2 7-DAT2 0.0 0.00 1.0  
## 278 App2 10-DAT2 0.2 0.20 2.6  
## 279 App2 14-DAT2 1.0 0.35 1.0  
## 280 App2 21-DAT2 0.0 0.20 1.6  
## 281 App1 7-DAT1 0.0 0.55 1.8  
## 282 App1 13-DAT1 0.0 0.00 6.0  
## 283 App2 7-DAT2 0.2 0.00 24.4  
## 284 App2 14-DAT2 2.2 0.00 1.2  
## 285 App1 7-DAT1 0.0 1.15 0.4  
## 286 App1 10-DAT1 0.0 0.05 2.2  
## 287 App1 13-DAT1 0.0 0.10 1.8  
## 288 App2 3-DAT2 0.0 0.25 6.2  
## 289 App2 7-DAT2 0.8 0.00 0.4  
## 290 App2 10-DAT2 1.2 2.30 0.0  
## 291 App2 14-DAT2 2.2 0.00 0.6  
## 292 App2 21-DAT2 0.4 3.60 1.6  
## 293 App1 7-DAT1 0.0 0.00 18.8  
## 294 App1 13-DAT1 0.0 0.00 5.4  
## 295 App2 7-DAT2 2.8 0.05 0.2  
## 296 App2 14-DAT2 0.0 0.00 0.4  
## 297 App1 7-DAT1 0.0 0.10 3.2  
## 298 App1 10-DAT1 0.0 0.10 14.4  
## 299 App1 13-DAT1 0.0 0.00 10.2  
## 300 App2 3-DAT2 0.4 0.10 11.4  
## 301 App2 7-DAT2 1.0 0.00 10.2  
## 302 App2 10-DAT2 1.2 0.00 3.2  
## 303 App2 14-DAT2 0.2 0.00 0.0  
## 304 App2 21-DAT2 0.2 0.20 0.8  
## 305 App1 7-DAT1 0.2 0.00 17.0  
## 306 App1 13-DAT1 0.0 0.00 14.0  
## 307 App2 7-DAT2 0.8 0.00 0.0  
## 308 App2 14-DAT2 1.4 0.25 0.0  
## 309 App1 7-DAT1 0.0 0.00 29.4  
## 310 App1 10-DAT1 0.4 0.50 11.2  
## 311 App1 13-DAT1 0.2 0.00 15.4  
## 312 App2 3-DAT2 0.0 0.15 4.8  
## 313 App2 7-DAT2 2.6 0.00 0.0  
## 314 App2 10-DAT2 2.6 0.00 0.8  
## 315 App2 14-DAT2 0.4 0.30 1.4  
## 316 App2 21-DAT2 2.4 0.15 3.2  
## 317 App1 7-DAT1 1.8 0.00 15.8  
## 318 App1 13-DAT1 0.0 0.00 1.4  
## 319 App2 7-DAT2 0.0 0.00 0.0  
## 320 App2 14-DAT2 0.8 0.00 0.2  
## 321 App1 7-DAT1 0.0 0.05 3.2  
## 322 App1 10-DAT1 1.0 0.05 4.2  
## 323 App1 13-DAT1 0.4 0.00 26.4  
## 324 App2 3-DAT2 0.0 0.10 1.6  
## 325 App2 7-DAT2 0.0 0.00 1.0  
## 326 App2 10-DAT2 2.8 0.00 1.0  
## 327 App2 14-DAT2 0.2 0.15 2.4  
## 328 App2 21-DAT2 2.0 0.00 0.4  
## 329 App1 7-DAT1 0.0 0.75 0.0  
## 330 App1 13-DAT1 0.0 0.05 0.0  
## 331 App2 7-DAT2 2.8 0.00 0.6  
## 332 App2 14-DAT2 0.0 0.00 0.0  
## 333 App1 7-DAT1 0.0 2.45 0.0  
## 334 App1 10-DAT1 0.0 0.20 0.0  
## 335 App1 13-DAT1 0.0 0.00 0.4  
## 336 App2 3-DAT2 0.6 0.05 0.2  
## 337 App2 7-DAT2 1.6 0.00 0.4  
## 338 App2 10-DAT2 0.6 0.20 0.4  
## 339 App2 14-DAT2 0.2 0.00 0.0  
## 340 App2 21-DAT2 2.8 4.00 0.4  
## 341 App1 7-DAT1 0.2 0.00 0.2  
## 342 App1 13-DAT1 0.4 0.00 0.2  
## 343 App2 7-DAT2 0.0 0.05 0.2  
## 344 App2 14-DAT2 0.2 0.00 0.2  
## 345 App1 7-DAT1 0.0 0.10 0.2  
## 346 App1 10-DAT1 0.0 0.05 0.2  
## 347 App1 13-DAT1 0.0 0.00 0.0  
## 348 App2 3-DAT2 0.4 0.05 0.0  
## 349 App2 7-DAT2 0.2 0.05 1.0  
## 350 App2 10-DAT2 0.0 0.00 0.0  
## 351 App2 14-DAT2 0.4 0.00 0.4  
## 352 App2 21-DAT2 1.8 0.35 0.8  
## 353 App1 7-DAT1 0.6 0.00 0.0  
## 354 App1 13-DAT1 0.4 0.00 0.0  
## 355 App2 7-DAT2 0.4 0.00 1.0  
## 356 App2 14-DAT2 0.0 0.10 0.0  
## 357 App1 7-DAT1 0.0 0.00 0.6  
## 358 App1 10-DAT1 0.0 0.00 0.0  
## 359 App1 13-DAT1 0.0 0.00 0.4  
## 360 App2 3-DAT2 0.0 0.00 0.8  
## 361 App2 7-DAT2 0.2 0.00 0.0  
## 362 App2 10-DAT2 0.6 0.00 0.0  
## 363 App2 14-DAT2 0.4 0.05 0.4  
## 364 App2 21-DAT2 0.4 0.00 0.2  
## 365 App1 7-DAT1 1.2 0.00 2.2  
## 366 App1 13-DAT1 0.6 0.00 0.2  
## 367 App2 7-DAT2 0.4 0.00 1.0  
## 368 App2 14-DAT2 3.6 0.15 0.8  
## 369 App1 7-DAT1 0.0 0.00 0.0  
## 370 App1 10-DAT1 0.8 0.00 0.2  
## 371 App1 13-DAT1 0.2 0.00 0.2  
## 372 App2 3-DAT2 0.0 0.25 0.0  
## 373 App2 7-DAT2 0.8 0.05 0.2  
## 374 App2 10-DAT2 4.2 0.00 0.4  
## 375 App2 14-DAT2 2.0 0.20 0.4  
## 376 App2 21-DAT2 0.0 0.85 0.6  
## 377 App1 7-DAT1 0.0 0.00 1.0  
## 378 App1 13-DAT1 0.0 0.00 10.6  
## 379 App2 7-DAT2 0.8 0.00 9.6  
## 380 App2 14-DAT2 0.2 0.00 5.4  
## 381 App1 7-DAT1 0.0 0.00 1.4  
## 382 App1 10-DAT1 0.0 0.00 0.8  
## 383 App1 13-DAT1 0.0 0.15 0.6  
## 384 App2 3-DAT2 0.6 0.10 20.8  
## 385 App2 7-DAT2 1.2 0.00 1.2  
## 386 App2 10-DAT2 0.4 0.05 0.4  
## 387 App2 14-DAT2 21.4 0.00 0.0  
## 388 App2 21-DAT2 0.0 4.05 4.6  
## 389 App1 7-DAT1 0.0 0.05 1.0  
## 390 App1 13-DAT1 0.0 0.00 16.4  
## 391 App2 7-DAT2 1.4 0.00 1.8  
## 392 App2 14-DAT2 0.4 0.00 7.0  
## 393 App1 7-DAT1 0.0 0.40 1.0  
## 394 App1 10-DAT1 0.0 0.35 0.4  
## 395 App1 13-DAT1 0.0 0.05 1.0  
## 396 App2 3-DAT2 0.0 0.00 1.0  
## 397 App2 7-DAT2 1.8 0.00 5.0  
## 398 App2 10-DAT2 0.4 0.05 1.2  
## 399 App2 14-DAT2 1.6 0.00 3.6  
## 400 App2 21-DAT2 0.8 0.10 2.4  
## 401 App1 7-DAT1 0.0 0.00 3.4  
## 402 App1 13-DAT1 0.0 0.00 0.6  
## 403 App2 7-DAT2 4.2 0.15 1.4  
## 404 App2 14-DAT2 4.8 0.00 0.0  
## 405 App1 7-DAT1 0.0 0.20 0.0  
## 406 App1 10-DAT1 0.0 0.05 0.6  
## 407 App1 13-DAT1 0.6 0.00 1.6  
## 408 App2 3-DAT2 1.2 0.10 1.8  
## 409 App2 7-DAT2 0.0 0.00 0.0  
## 410 App2 10-DAT2 0.4 0.00 0.2  
## 411 App2 14-DAT2 0.2 0.00 2.4  
## 412 App2 21-DAT2 0.0 0.05 7.2  
## 413 App1 7-DAT1 1.4 0.00 17.0  
## 414 App1 13-DAT1 0.2 0.00 6.2  
## 415 App2 7-DAT2 4.6 0.00 1.6  
## 416 App2 14-DAT2 0.4 0.80 15.0  
## 417 App1 7-DAT1 0.0 0.05 0.2  
## 418 App1 10-DAT1 0.6 0.00 0.6  
## 419 App1 13-DAT1 0.4 0.00 5.2  
## 420 App2 3-DAT2 0.0 0.00 1.6  
## 421 App2 7-DAT2 1.2 0.00 0.2  
## 422 App2 10-DAT2 1.2 0.05 4.6  
## 423 App2 14-DAT2 0.4 0.15 0.4  
## 424 App2 21-DAT2 0.2 0.05 6.8  
## 425 App1 7-DAT1 0.0 0.15 1.0  
## 426 App1 13-DAT1 0.0 0.00 13.0  
## 427 App2 7-DAT2 0.2 0.00 1.8  
## 428 App2 14-DAT2 1.2 0.00 5.6  
## 429 App1 7-DAT1 0.6 0.30 0.0  
## 430 App1 10-DAT1 0.0 0.05 2.6  
## 431 App1 13-DAT1 0.8 0.00 1.0  
## 432 App2 3-DAT2 0.2 0.05 0.0  
## 433 App2 7-DAT2 1.0 0.00 6.0  
## 434 App2 10-DAT2 0.4 0.05 2.0  
## 435 App2 14-DAT2 0.8 0.00 1.4  
## 436 App2 21-DAT2 1.6 0.85 1.2  
## 437 App1 7-DAT1 0.0 0.00 1.4  
## 438 App1 13-DAT1 0.0 0.00 39.0  
## 439 App2 7-DAT2 0.0 0.00 17.8  
## 440 App2 14-DAT2 1.0 0.00 9.2  
## 441 App1 7-DAT1 0.0 0.20 0.8  
## 442 App1 10-DAT1 0.0 0.00 2.8  
## 443 App1 13-DAT1 0.0 0.00 5.6  
## 444 App2 3-DAT2 0.0 0.05 1.0  
## 445 App2 7-DAT2 0.0 0.00 8.2  
## 446 App2 10-DAT2 0.2 0.05 0.6  
## 447 App2 14-DAT2 0.2 0.00 2.8  
## 448 App2 21-DAT2 0.6 0.00 2.4  
## 449 App1 7-DAT1 0.4 0.00 9.0  
## 450 App1 13-DAT1 4.2 0.00 2.6  
## 451 App2 7-DAT2 0.8 0.00 4.6  
## 452 App2 14-DAT2 0.6 0.00 3.8  
## 453 App1 7-DAT1 0.0 0.15 3.4  
## 454 App1 10-DAT1 0.2 0.00 0.2  
## 455 App1 13-DAT1 0.0 0.00 1.2  
## 456 App2 3-DAT2 0.4 0.10 2.0  
## 457 App2 7-DAT2 0.0 0.00 0.4  
## 458 App2 10-DAT2 0.0 0.00 0.0  
## 459 App2 14-DAT2 1.0 0.00 1.0  
## 460 App2 21-DAT2 0.0 0.00 4.8  
## 461 App1 7-DAT1 0.8 0.00 14.4  
## 462 App1 13-DAT1 0.0 0.00 0.8  
## 463 App2 7-DAT2 0.0 0.00 0.0  
## 464 App2 14-DAT2 0.0 0.05 4.6  
## 465 App1 7-DAT1 0.2 0.00 0.6  
## 466 App1 10-DAT1 0.0 0.00 1.8  
## 467 App1 13-DAT1 0.0 0.00 0.8  
## 468 App2 3-DAT2 0.0 0.00 0.2  
## 469 App2 7-DAT2 0.2 0.00 0.0  
## 470 App2 10-DAT2 0.0 0.00 0.6  
## 471 App2 14-DAT2 0.4 0.00 0.6  
## 472 App2 21-DAT2 1.8 0.10 0.0  
## 473 App1 7-DAT1 0.0 0.40 11.6  
## 474 App1 13-DAT1 0.4 0.10 19.0  
## 475 App2 7-DAT2 0.0 0.00 26.6  
## 476 App2 14-DAT2 2.4 0.70 30.8  
## 477 App1 7-DAT1 0.2 1.15 9.2  
## 478 App1 10-DAT1 0.4 0.10 23.8  
## 479 App1 13-DAT1 0.8 0.00 6.8  
## 480 App2 3-DAT2 0.6 0.05 3.6  
## 481 App2 7-DAT2 1.4 0.15 11.2  
## 482 App2 10-DAT2 3.0 0.15 2.6  
## 483 App2 14-DAT2 3.4 1.30 35.8  
## 484 App2 21-DAT2 6.4 0.55 13.6  
## 485 App1 7-DAT1 0.0 0.00 28.6  
## 486 App1 13-DAT1 0.0 0.00 9.2  
## 487 App2 7-DAT2 1.2 0.00 92.2  
## 488 App2 14-DAT2 1.2 0.00 99.2  
## 489 App1 7-DAT1 0.2 0.00 23.6  
## 490 App1 10-DAT1 0.4 0.05 49.6  
## 491 App1 13-DAT1 0.0 0.00 19.6  
## 492 App2 3-DAT2 0.0 0.00 11.8  
## 493 App2 7-DAT2 0.0 0.05 72.0  
## 494 App2 10-DAT2 0.0 0.00 12.4  
## 495 App2 14-DAT2 1.2 0.00 193.2  
## 496 App2 21-DAT2 1.0 0.00 136.4  
## 497 App1 7-DAT1 0.0 0.00 10.6  
## 498 App1 13-DAT1 0.2 0.00 9.8  
## 499 App2 7-DAT2 0.4 0.00 61.2  
## 500 App2 14-DAT2 0.2 0.10 68.6  
## 501 App1 7-DAT1 0.4 0.10 25.8  
## 502 App1 10-DAT1 0.0 0.05 21.0  
## 503 App1 13-DAT1 0.0 0.00 7.6  
## 504 App2 3-DAT2 0.0 0.00 16.6  
## 505 App2 7-DAT2 0.0 0.00 42.0  
## 506 App2 10-DAT2 0.6 0.00 49.2  
## 507 App2 14-DAT2 1.8 0.10 165.8  
## 508 App2 21-DAT2 0.4 0.25 34.4  
## 509 App1 7-DAT1 0.2 0.00 18.6  
## 510 App1 13-DAT1 0.8 0.00 47.6  
## 511 App2 7-DAT2 1.8 0.00 46.4  
## 512 App2 14-DAT2 2.4 0.40 37.8  
## 513 App1 7-DAT1 0.0 0.10 2.2  
## 514 App1 10-DAT1 1.0 0.05 46.2  
## 515 App1 13-DAT1 0.8 0.00 20.6  
## 516 App2 3-DAT2 0.2 0.15 13.6  
## 517 App2 7-DAT2 2.2 0.00 24.0  
## 518 App2 10-DAT2 1.4 0.25 105.2  
## 519 App2 14-DAT2 2.6 0.15 35.6  
## 520 App2 21-DAT2 0.6 0.10 52.6

## Product TRT Leaf\_Location DPR\_Label DAT  
## 1 Assail\_2.3oz\_10gpa 14 Bottom Acetamiprid\_LowCov 7-DAT1  
## 2 Assail\_2.3oz\_10gpa 14 Bottom Acetamiprid\_LowCov 13-DAT1  
## 3 Assail\_2.3oz\_10gpa 14 Bottom Acetamiprid\_LowCov 7-DAT2  
## 4 Assail\_2.3oz\_10gpa 14 Bottom Acetamiprid\_LowCov 14-DAT2  
## 5 Assail\_2.3oz\_10gpa 14 Top Acetamiprid\_LowCov 7-DAT1  
## 6 Assail\_2.3oz\_10gpa 14 Top Acetamiprid\_LowCov 10-DAT1  
## 7 Assail\_2.3oz\_10gpa 14 Top Acetamiprid\_LowCov 13-DAT1  
## 8 Assail\_2.3oz\_10gpa 14 Top Acetamiprid\_LowCov 3-DAT2  
## 9 Assail\_2.3oz\_10gpa 14 Top Acetamiprid\_LowCov 7-DAT2  
## 10 Assail\_2.3oz\_10gpa 14 Top Acetamiprid\_LowCov 10-DAT2  
## 11 Assail\_2.3oz\_10gpa 14 Top Acetamiprid\_LowCov 14-DAT2  
## 12 Assail\_2.3oz\_10gpa 14 Top Acetamiprid\_LowCov 21-DAT2  
## 13 Assail\_2.3oz\_30gpa 5 Bottom Acetamiprid\_StdCov 7-DAT1  
## 14 Assail\_2.3oz\_30gpa 5 Bottom Acetamiprid\_StdCov 13-DAT1  
## 15 Assail\_2.3oz\_30gpa 5 Bottom Acetamiprid\_StdCov 7-DAT2  
## 16 Assail\_2.3oz\_30gpa 5 Bottom Acetamiprid\_StdCov 14-DAT2  
## 17 Assail\_2.3oz\_30gpa 5 Top Acetamiprid\_StdCov 7-DAT1  
## 18 Assail\_2.3oz\_30gpa 5 Top Acetamiprid\_StdCov 10-DAT1  
## 19 Assail\_2.3oz\_30gpa 5 Top Acetamiprid\_StdCov 13-DAT1  
## 20 Assail\_2.3oz\_30gpa 5 Top Acetamiprid\_StdCov 3-DAT2  
## 21 Assail\_2.3oz\_30gpa 5 Top Acetamiprid\_StdCov 7-DAT2  
## 22 Assail\_2.3oz\_30gpa 5 Top Acetamiprid\_StdCov 10-DAT2  
## 23 Assail\_2.3oz\_30gpa 5 Top Acetamiprid\_StdCov 14-DAT2  
## 24 Assail\_2.3oz\_30gpa 5 Top Acetamiprid\_StdCov 21-DAT2  
## 25 Courier\_12.5floz\_10gpa 13 Bottom Buprofezin\_LowCov 7-DAT1  
## 26 Courier\_12.5floz\_10gpa 13 Bottom Buprofezin\_LowCov 13-DAT1  
## 27 Courier\_12.5floz\_10gpa 13 Bottom Buprofezin\_LowCov 7-DAT2  
## 28 Courier\_12.5floz\_10gpa 13 Bottom Buprofezin\_LowCov 14-DAT2  
## 29 Courier\_12.5floz\_10gpa 13 Top Buprofezin\_LowCov 7-DAT1  
## 30 Courier\_12.5floz\_10gpa 13 Top Buprofezin\_LowCov 10-DAT1  
## 31 Courier\_12.5floz\_10gpa 13 Top Buprofezin\_LowCov 13-DAT1  
## 32 Courier\_12.5floz\_10gpa 13 Top Buprofezin\_LowCov 3-DAT2  
## 33 Courier\_12.5floz\_10gpa 13 Top Buprofezin\_LowCov 7-DAT2  
## 34 Courier\_12.5floz\_10gpa 13 Top Buprofezin\_LowCov 10-DAT2  
## 35 Courier\_12.5floz\_10gpa 13 Top Buprofezin\_LowCov 14-DAT2  
## 36 Courier\_12.5floz\_10gpa 13 Top Buprofezin\_LowCov 21-DAT2  
## 37 Courier\_12.5floz\_30gpa 4 Bottom Buprofezin\_StdCov 7-DAT1  
## 38 Courier\_12.5floz\_30gpa 4 Bottom Buprofezin\_StdCov 13-DAT1  
## 39 Courier\_12.5floz\_30gpa 4 Bottom Buprofezin\_StdCov 7-DAT2  
## 40 Courier\_12.5floz\_30gpa 4 Bottom Buprofezin\_StdCov 14-DAT2  
## 41 Courier\_12.5floz\_30gpa 4 Top Buprofezin\_StdCov 7-DAT1  
## 42 Courier\_12.5floz\_30gpa 4 Top Buprofezin\_StdCov 10-DAT1  
## 43 Courier\_12.5floz\_30gpa 4 Top Buprofezin\_StdCov 13-DAT1  
## 44 Courier\_12.5floz\_30gpa 4 Top Buprofezin\_StdCov 3-DAT2  
## 45 Courier\_12.5floz\_30gpa 4 Top Buprofezin\_StdCov 7-DAT2  
## 46 Courier\_12.5floz\_30gpa 4 Top Buprofezin\_StdCov 10-DAT2  
## 47 Courier\_12.5floz\_30gpa 4 Top Buprofezin\_StdCov 14-DAT2  
## 48 Courier\_12.5floz\_30gpa 4 Top Buprofezin\_StdCov 21-DAT2  
## 49 PQZ\_3.2floz\_10gpa 11 Bottom Pyrifluquinazon\_LowCov 7-DAT1  
## 50 PQZ\_3.2floz\_10gpa 11 Bottom Pyrifluquinazon\_LowCov 13-DAT1  
## 51 PQZ\_3.2floz\_10gpa 11 Bottom Pyrifluquinazon\_LowCov 7-DAT2  
## 52 PQZ\_3.2floz\_10gpa 11 Bottom Pyrifluquinazon\_LowCov 14-DAT2  
## 53 PQZ\_3.2floz\_10gpa 11 Top Pyrifluquinazon\_LowCov 7-DAT1  
## 54 PQZ\_3.2floz\_10gpa 11 Top Pyrifluquinazon\_LowCov 10-DAT1  
## 55 PQZ\_3.2floz\_10gpa 11 Top Pyrifluquinazon\_LowCov 13-DAT1  
## 56 PQZ\_3.2floz\_10gpa 11 Top Pyrifluquinazon\_LowCov 3-DAT2  
## 57 PQZ\_3.2floz\_10gpa 11 Top Pyrifluquinazon\_LowCov 7-DAT2  
## 58 PQZ\_3.2floz\_10gpa 11 Top Pyrifluquinazon\_LowCov 10-DAT2  
## 59 PQZ\_3.2floz\_10gpa 11 Top Pyrifluquinazon\_LowCov 14-DAT2  
## 60 PQZ\_3.2floz\_10gpa 11 Top Pyrifluquinazon\_LowCov 21-DAT2  
## 61 PQZ\_3.2floz\_30gpa 2 Bottom Pyrifluquinazon\_StdCov 7-DAT1  
## 62 PQZ\_3.2floz\_30gpa 2 Bottom Pyrifluquinazon\_StdCov 13-DAT1  
## 63 PQZ\_3.2floz\_30gpa 2 Bottom Pyrifluquinazon\_StdCov 7-DAT2  
## 64 PQZ\_3.2floz\_30gpa 2 Bottom Pyrifluquinazon\_StdCov 14-DAT2  
## 65 PQZ\_3.2floz\_30gpa 2 Top Pyrifluquinazon\_StdCov 7-DAT1  
## 66 PQZ\_3.2floz\_30gpa 2 Top Pyrifluquinazon\_StdCov 10-DAT1  
## 67 PQZ\_3.2floz\_30gpa 2 Top Pyrifluquinazon\_StdCov 13-DAT1  
## 68 PQZ\_3.2floz\_30gpa 2 Top Pyrifluquinazon\_StdCov 3-DAT2  
## 69 PQZ\_3.2floz\_30gpa 2 Top Pyrifluquinazon\_StdCov 7-DAT2  
## 70 PQZ\_3.2floz\_30gpa 2 Top Pyrifluquinazon\_StdCov 10-DAT2  
## 71 PQZ\_3.2floz\_30gpa 2 Top Pyrifluquinazon\_StdCov 14-DAT2  
## 72 PQZ\_3.2floz\_30gpa 2 Top Pyrifluquinazon\_StdCov 21-DAT2  
## 73 Sefina\_14oz\_10gpa 10 Bottom Afidopyropen\_LowCov 7-DAT1  
## 74 Sefina\_14oz\_10gpa 10 Bottom Afidopyropen\_LowCov 13-DAT1  
## 75 Sefina\_14oz\_10gpa 10 Bottom Afidopyropen\_LowCov 7-DAT2  
## 76 Sefina\_14oz\_10gpa 10 Bottom Afidopyropen\_LowCov 14-DAT2  
## 77 Sefina\_14oz\_10gpa 10 Top Afidopyropen\_LowCov 7-DAT1  
## 78 Sefina\_14oz\_10gpa 10 Top Afidopyropen\_LowCov 10-DAT1  
## 79 Sefina\_14oz\_10gpa 10 Top Afidopyropen\_LowCov 13-DAT1  
## 80 Sefina\_14oz\_10gpa 10 Top Afidopyropen\_LowCov 3-DAT2  
## 81 Sefina\_14oz\_10gpa 10 Top Afidopyropen\_LowCov 7-DAT2  
## 82 Sefina\_14oz\_10gpa 10 Top Afidopyropen\_LowCov 10-DAT2  
## 83 Sefina\_14oz\_10gpa 10 Top Afidopyropen\_LowCov 14-DAT2  
## 84 Sefina\_14oz\_10gpa 10 Top Afidopyropen\_LowCov 21-DAT2  
## 85 Sefina\_14oz\_30gpa 1 Bottom Afidopyropen\_StdCov 7-DAT1  
## 86 Sefina\_14oz\_30gpa 1 Bottom Afidopyropen\_StdCov 13-DAT1  
## 87 Sefina\_14oz\_30gpa 1 Bottom Afidopyropen\_StdCov 7-DAT2  
## 88 Sefina\_14oz\_30gpa 1 Bottom Afidopyropen\_StdCov 14-DAT2  
## 89 Sefina\_14oz\_30gpa 1 Top Afidopyropen\_StdCov 7-DAT1  
## 90 Sefina\_14oz\_30gpa 1 Top Afidopyropen\_StdCov 10-DAT1  
## 91 Sefina\_14oz\_30gpa 1 Top Afidopyropen\_StdCov 13-DAT1  
## 92 Sefina\_14oz\_30gpa 1 Top Afidopyropen\_StdCov 3-DAT2  
## 93 Sefina\_14oz\_30gpa 1 Top Afidopyropen\_StdCov 7-DAT2  
## 94 Sefina\_14oz\_30gpa 1 Top Afidopyropen\_StdCov 10-DAT2  
## 95 Sefina\_14oz\_30gpa 1 Top Afidopyropen\_StdCov 14-DAT2  
## 96 Sefina\_14oz\_30gpa 1 Top Afidopyropen\_StdCov 21-DAT2  
## 97 SivantoPrime\_14floz\_10gpa 12 Bottom Flupyradifurone\_LowCov 7-DAT1  
## 98 SivantoPrime\_14floz\_10gpa 12 Bottom Flupyradifurone\_LowCov 13-DAT1  
## 99 SivantoPrime\_14floz\_10gpa 12 Bottom Flupyradifurone\_LowCov 7-DAT2  
## 100 SivantoPrime\_14floz\_10gpa 12 Bottom Flupyradifurone\_LowCov 14-DAT2  
## 101 SivantoPrime\_14floz\_10gpa 12 Top Flupyradifurone\_LowCov 7-DAT1  
## 102 SivantoPrime\_14floz\_10gpa 12 Top Flupyradifurone\_LowCov 10-DAT1  
## 103 SivantoPrime\_14floz\_10gpa 12 Top Flupyradifurone\_LowCov 13-DAT1  
## 104 SivantoPrime\_14floz\_10gpa 12 Top Flupyradifurone\_LowCov 3-DAT2  
## 105 SivantoPrime\_14floz\_10gpa 12 Top Flupyradifurone\_LowCov 7-DAT2  
## 106 SivantoPrime\_14floz\_10gpa 12 Top Flupyradifurone\_LowCov 10-DAT2  
## 107 SivantoPrime\_14floz\_10gpa 12 Top Flupyradifurone\_LowCov 14-DAT2  
## 108 SivantoPrime\_14floz\_10gpa 12 Top Flupyradifurone\_LowCov 21-DAT2  
## 109 SivantoPrime\_14floz\_30gpa 3 Bottom Flupyradifurone\_StdCov 7-DAT1  
## 110 SivantoPrime\_14floz\_30gpa 3 Bottom Flupyradifurone\_StdCov 13-DAT1  
## 111 SivantoPrime\_14floz\_30gpa 3 Bottom Flupyradifurone\_StdCov 7-DAT2  
## 112 SivantoPrime\_14floz\_30gpa 3 Bottom Flupyradifurone\_StdCov 14-DAT2  
## 113 SivantoPrime\_14floz\_30gpa 3 Top Flupyradifurone\_StdCov 7-DAT1  
## 114 SivantoPrime\_14floz\_30gpa 3 Top Flupyradifurone\_StdCov 10-DAT1  
## 115 SivantoPrime\_14floz\_30gpa 3 Top Flupyradifurone\_StdCov 13-DAT1  
## 116 SivantoPrime\_14floz\_30gpa 3 Top Flupyradifurone\_StdCov 3-DAT2  
## 117 SivantoPrime\_14floz\_30gpa 3 Top Flupyradifurone\_StdCov 7-DAT2  
## 118 SivantoPrime\_14floz\_30gpa 3 Top Flupyradifurone\_StdCov 10-DAT2  
## 119 SivantoPrime\_14floz\_30gpa 3 Top Flupyradifurone\_StdCov 14-DAT2  
## 120 SivantoPrime\_14floz\_30gpa 3 Top Flupyradifurone\_StdCov 21-DAT2  
## 121 Untreated 15 Bottom Untreated 7-DAT1  
## 122 Untreated 15 Bottom Untreated 13-DAT1  
## 123 Untreated 15 Bottom Untreated 7-DAT2  
## 124 Untreated 15 Bottom Untreated 14-DAT2  
## 125 Untreated 15 Top Untreated 7-DAT1  
## 126 Untreated 15 Top Untreated 10-DAT1  
## 127 Untreated 15 Top Untreated 13-DAT1  
## 128 Untreated 15 Top Untreated 3-DAT2  
## 129 Untreated 15 Top Untreated 7-DAT2  
## 130 Untreated 15 Top Untreated 10-DAT2  
## 131 Untreated 15 Top Untreated 14-DAT2  
## 132 Untreated 15 Top Untreated 21-DAT2  
## N WfNym.SumAvg WfNym.SumSD WfNym.SumSE WfAd.SumAvg WfAd.SumSD WfAd.SumSE  
## 1 4 0.35000000 0.5744563 0.28722813 0.08750000 0.10307764 0.05153882  
## 2 4 0.05000000 0.1000000 0.05000000 0.02500000 0.02886751 0.01443376  
## 3 4 0.95000000 0.6608076 0.33040379 0.02500000 0.05000000 0.02500000  
## 4 4 2.60000000 1.7358955 0.86794777 0.07500000 0.08660254 0.04330127  
## 5 3 0.06666667 0.1154701 0.06666667 0.20000000 0.34641016 0.20000000  
## 6 4 0.05000000 0.1000000 0.05000000 0.15000000 0.07071068 0.03535534  
## 7 3 0.06666667 0.1154701 0.06666667 0.00000000 0.00000000 0.00000000  
## 8 4 0.30000000 0.6000000 0.30000000 0.07500000 0.08660254 0.04330127  
## 9 3 0.40000000 0.6928203 0.40000000 0.00000000 0.00000000 0.00000000  
## 10 4 1.15000000 0.4123106 0.20615528 0.10000000 0.10801234 0.05400617  
## 11 3 2.26666667 0.8082904 0.46666667 0.08333333 0.10408330 0.06009252  
## 12 4 1.10000000 1.1489125 0.57445626 0.80000000 1.24298029 0.62149014  
## 13 4 0.30000000 0.4760952 0.23804761 0.17500000 0.35000000 0.17500000  
## 14 4 0.20000000 0.2828427 0.14142136 0.01250000 0.02500000 0.01250000  
## 15 4 1.20000000 1.7962925 0.89814624 0.01250000 0.02500000 0.01250000  
## 16 4 1.70000000 0.3829708 0.19148542 0.11250000 0.16520190 0.08260095  
## 17 4 0.10000000 0.1154701 0.05773503 0.15000000 0.04082483 0.02041241  
## 18 4 0.95000000 1.3699148 0.68495742 0.11250000 0.10307764 0.05153882  
## 19 4 0.00000000 0.0000000 0.00000000 0.01250000 0.02500000 0.01250000  
## 20 4 0.05000000 0.1000000 0.05000000 0.10000000 0.04082483 0.02041241  
## 21 4 1.15000000 1.2261049 0.61305247 0.01250000 0.02500000 0.01250000  
## 22 4 1.10000000 0.7393691 0.36968455 0.13750000 0.17969882 0.08984941  
## 23 4 0.90000000 1.5448840 0.77244202 0.00000000 0.00000000 0.00000000  
## 24 4 1.20000000 0.9092121 0.45460606 2.87500000 5.75000000 2.87500000  
## 25 4 1.35000000 2.3057898 1.15289491 0.02500000 0.05000000 0.02500000  
## 26 4 0.00000000 0.0000000 0.00000000 0.00000000 0.00000000 0.00000000  
## 27 4 0.25000000 0.2516611 0.12583057 0.02500000 0.05000000 0.02500000  
## 28 4 0.10000000 0.1154701 0.05773503 0.12500000 0.10408330 0.05204165  
## 29 4 0.05000000 0.1000000 0.05000000 0.47500000 0.65128079 0.32564039  
## 30 4 0.20000000 0.4000000 0.20000000 0.07500000 0.11902381 0.05951190  
## 31 4 0.05000000 0.1000000 0.05000000 0.02500000 0.05000000 0.02500000  
## 32 4 0.20000000 0.1632993 0.08164966 0.02500000 0.05000000 0.02500000  
## 33 4 0.40000000 0.3651484 0.18257419 0.01250000 0.02500000 0.01250000  
## 34 4 0.20000000 0.2309401 0.11547005 0.10000000 0.14142136 0.07071068  
## 35 4 0.35000000 0.4123106 0.20615528 0.50000000 0.54006172 0.27003086  
## 36 4 0.10000000 0.1154701 0.05773503 0.67500000 0.67638746 0.33819373  
## 37 4 0.25000000 0.3000000 0.15000000 0.11250000 0.22500000 0.11250000  
## 38 4 0.20000000 0.4000000 0.20000000 0.03750000 0.07500000 0.03750000  
## 39 4 0.10000000 0.2000000 0.10000000 0.01250000 0.02500000 0.01250000  
## 40 4 0.25000000 0.3785939 0.18929694 0.22500000 0.22173558 0.11086779  
## 41 3 0.06666667 0.1154701 0.06666667 0.23333333 0.14433757 0.08333333  
## 42 4 0.10000000 0.1154701 0.05773503 0.13750000 0.11814539 0.05907270  
## 43 3 0.33333333 0.5773503 0.33333333 0.13333333 0.23094011 0.13333333  
## 44 4 0.05000000 0.1000000 0.05000000 0.13750000 0.21360009 0.10680005  
## 45 3 0.40000000 0.4000000 0.23094011 0.00000000 0.00000000 0.00000000  
## 46 4 0.65000000 0.9433981 0.47169906 0.56250000 1.02581269 0.51290634  
## 47 3 1.40000000 1.4000000 0.80829038 0.31666667 0.50579970 0.29202359  
## 48 4 0.50000000 0.3464102 0.17320508 0.50000000 0.44158804 0.22079402  
## 49 4 0.40000000 0.2828427 0.14142136 0.02500000 0.05000000 0.02500000  
## 50 4 0.70000000 1.1489125 0.57445626 0.00000000 0.00000000 0.00000000  
## 51 4 1.70000000 3.2680269 1.63401346 0.11250000 0.16520190 0.08260095  
## 52 4 1.85000000 1.0376255 0.51881275 0.13750000 0.16007811 0.08003905  
## 53 4 0.05000000 0.1000000 0.05000000 0.06250000 0.12500000 0.06250000  
## 54 4 0.25000000 0.3785939 0.18929694 0.07500000 0.08660254 0.04330127  
## 55 4 0.15000000 0.3000000 0.15000000 0.00000000 0.00000000 0.00000000  
## 56 4 0.10000000 0.2000000 0.10000000 0.07500000 0.05000000 0.02500000  
## 57 4 0.50000000 0.7393691 0.36968455 0.06250000 0.09464847 0.04732424  
## 58 4 0.50000000 0.2000000 0.10000000 0.03750000 0.04787136 0.02393568  
## 59 4 0.70000000 0.6831301 0.34156503 0.06250000 0.07500000 0.03750000  
## 60 4 3.95000000 7.1224996 3.56124978 1.43750000 2.74237579 1.37118790  
## 61 4 0.20000000 0.2309401 0.11547005 0.01250000 0.02500000 0.01250000  
## 62 4 0.20000000 0.4000000 0.20000000 0.00000000 0.00000000 0.00000000  
## 63 4 0.10000000 0.1154701 0.05773503 0.00000000 0.00000000 0.00000000  
## 64 4 0.65000000 0.3785939 0.18929694 0.12500000 0.15000000 0.07500000  
## 65 4 0.00000000 0.0000000 0.00000000 0.07500000 0.09574271 0.04787136  
## 66 4 0.25000000 0.1914854 0.09574271 0.08750000 0.08539126 0.04269563  
## 67 4 0.25000000 0.2516611 0.12583057 0.12500000 0.25000000 0.12500000  
## 68 4 0.40000000 0.8000000 0.40000000 0.13750000 0.14930394 0.07465197  
## 69 4 0.70000000 0.5773503 0.28867513 0.00000000 0.00000000 0.00000000  
## 70 4 0.25000000 0.2516611 0.12583057 0.21250000 0.27195281 0.13597641  
## 71 4 1.10000000 0.4163332 0.20816660 0.25000000 0.19578900 0.09789450  
## 72 4 0.50000000 0.5291503 0.26457513 1.38750000 1.52007401 0.76003701  
## 73 4 0.50000000 0.8717798 0.43588989 0.13750000 0.27500000 0.13750000  
## 74 4 0.00000000 0.0000000 0.00000000 0.00000000 0.00000000 0.00000000  
## 75 4 0.95000000 1.2793227 0.63966137 0.01250000 0.02500000 0.01250000  
## 76 4 1.10000000 0.9309493 0.46547467 0.06250000 0.12500000 0.06250000  
## 77 4 0.00000000 0.0000000 0.00000000 0.32500000 0.55151307 0.27575654  
## 78 4 0.35000000 0.4725816 0.23629078 0.17500000 0.21794495 0.10897247  
## 79 4 0.15000000 0.1914854 0.09574271 0.02500000 0.05000000 0.02500000  
## 80 4 0.10000000 0.2000000 0.10000000 0.15000000 0.07071068 0.03535534  
## 81 4 1.10000000 1.0893423 0.54467115 0.00000000 0.00000000 0.00000000  
## 82 4 1.95000000 0.8698659 0.43493295 0.57500000 1.15000000 0.57500000  
## 83 4 0.75000000 0.9712535 0.48562674 0.11250000 0.14361407 0.07180703  
## 84 4 1.25000000 1.1120552 0.55602758 0.98750000 1.74373880 0.87186940  
## 85 4 0.50000000 0.5291503 0.26457513 0.18750000 0.37500000 0.18750000  
## 86 4 0.35000000 0.2516611 0.12583057 0.01250000 0.02500000 0.01250000  
## 87 4 0.90000000 1.2806248 0.64031242 0.01250000 0.02500000 0.01250000  
## 88 4 0.95000000 1.7691806 0.88459030 0.06250000 0.07500000 0.03750000  
## 89 4 0.00000000 0.0000000 0.00000000 0.63750000 1.20925252 0.60462626  
## 90 4 0.20000000 0.4000000 0.20000000 0.06250000 0.09464847 0.04732424  
## 91 4 0.05000000 0.1000000 0.05000000 0.00000000 0.00000000 0.00000000  
## 92 4 0.25000000 0.3000000 0.15000000 0.08750000 0.11086779 0.05543389  
## 93 4 0.70000000 0.6633250 0.33166248 0.02500000 0.02886751 0.01443376  
## 94 4 1.35000000 1.9209373 0.96046864 0.05000000 0.10000000 0.05000000  
## 95 4 0.75000000 0.8386497 0.41932485 0.06250000 0.09464847 0.04732424  
## 96 4 1.25000000 1.2897028 0.64485140 1.30000000 1.83348484 0.91674242  
## 97 4 0.35000000 0.7000000 0.35000000 0.01250000 0.02500000 0.01250000  
## 98 4 0.05000000 0.1000000 0.05000000 0.00000000 0.00000000 0.00000000  
## 99 4 2.75000000 1.9278658 0.96393292 0.03750000 0.07500000 0.03750000  
## 100 4 1.45000000 2.2353225 1.11766125 0.20000000 0.40000000 0.20000000  
## 101 4 0.00000000 0.0000000 0.00000000 0.16250000 0.17969882 0.08984941  
## 102 4 0.15000000 0.3000000 0.15000000 0.10000000 0.16832508 0.08416254  
## 103 4 0.25000000 0.3000000 0.15000000 0.05000000 0.07071068 0.03535534  
## 104 4 0.45000000 0.5744563 0.28722813 0.05000000 0.05773503 0.02886751  
## 105 4 1.05000000 0.7549834 0.37749172 0.00000000 0.00000000 0.00000000  
## 106 4 0.60000000 0.4000000 0.20000000 0.03750000 0.02500000 0.01250000  
## 107 4 5.90000000 10.3518114 5.17590572 0.03750000 0.07500000 0.03750000  
## 108 4 0.25000000 0.3785939 0.18929694 1.06250000 1.99180613 0.99590307  
## 109 4 0.30000000 0.3829708 0.19148542 0.03750000 0.07500000 0.03750000  
## 110 4 1.05000000 2.1000000 1.05000000 0.00000000 0.00000000 0.00000000  
## 111 4 0.25000000 0.3785939 0.18929694 0.00000000 0.00000000 0.00000000  
## 112 4 0.70000000 0.5291503 0.26457513 0.01250000 0.02500000 0.01250000  
## 113 4 0.20000000 0.2828427 0.14142136 0.16250000 0.12500000 0.06250000  
## 114 4 0.05000000 0.1000000 0.05000000 0.01250000 0.02500000 0.01250000  
## 115 4 0.20000000 0.4000000 0.20000000 0.00000000 0.00000000 0.00000000  
## 116 4 0.15000000 0.1914854 0.09574271 0.05000000 0.04082483 0.02041241  
## 117 4 0.30000000 0.4760952 0.23804761 0.00000000 0.00000000 0.00000000  
## 118 4 0.15000000 0.1914854 0.09574271 0.02500000 0.02886751 0.01443376  
## 119 4 0.60000000 0.3651484 0.18257419 0.00000000 0.00000000 0.00000000  
## 120 4 1.00000000 0.8485281 0.42426407 0.23750000 0.41104542 0.20552271  
## 121 4 0.05000000 0.1000000 0.05000000 0.10000000 0.20000000 0.10000000  
## 122 4 0.35000000 0.3415650 0.17078251 0.02500000 0.05000000 0.02500000  
## 123 4 0.85000000 0.8062258 0.40311289 0.00000000 0.00000000 0.00000000  
## 124 4 1.55000000 1.0630146 0.53150729 0.30000000 0.31622777 0.15811388  
## 125 4 0.20000000 0.1632993 0.08164966 0.33750000 0.54371408 0.27185704  
## 126 4 0.45000000 0.4123106 0.20615528 0.06250000 0.02500000 0.01250000  
## 127 4 0.40000000 0.4618802 0.23094011 0.00000000 0.00000000 0.00000000  
## 128 4 0.20000000 0.2828427 0.14142136 0.05000000 0.07071068 0.03535534  
## 129 4 0.90000000 1.0893423 0.54467115 0.05000000 0.07071068 0.03535534  
## 130 4 1.25000000 1.3000000 0.65000000 0.10000000 0.12247449 0.06123724  
## 131 4 2.25000000 0.9574271 0.47871355 0.38750000 0.61152133 0.30576066  
## 132 4 2.10000000 2.8774989 1.43874946 0.22500000 0.23979158 0.11989579  
## Aph.Tot.SumAvg Aph.Tot.SumSD Aph.Tot.SumSE  
## 1 4.450000 7.5971486 3.79857429  
## 2 6.750000 9.0042583 4.50212913  
## 3 1.450000 1.1474610 0.57373048  
## 4 2.000000 1.5491933 0.77459667  
## 5 8.266667 13.6254664 7.86666667  
## 6 3.000000 5.0806824 2.54034118  
## 7 5.400000 7.1077423 4.10365691  
## 8 2.600000 1.8257419 0.91287093  
## 9 0.200000 0.3464102 0.20000000  
## 10 0.500000 0.5033223 0.25166115  
## 11 2.466667 2.3860707 1.37759855  
## 12 1.600000 1.6970563 0.84852814  
## 13 1.650000 1.7767011 0.88835053  
## 14 4.050000 4.0311289 2.01556444  
## 15 0.700000 1.2701706 0.63508530  
## 16 0.850000 0.9983319 0.49916597  
## 17 0.400000 0.4320494 0.21602469  
## 18 0.150000 0.1000000 0.05000000  
## 19 0.200000 0.2828427 0.14142136  
## 20 0.450000 0.3000000 0.15000000  
## 21 0.550000 0.5972158 0.29860788  
## 22 0.650000 0.8544004 0.42720019  
## 23 0.550000 0.6806859 0.34034296  
## 24 0.800000 1.4696938 0.73484692  
## 25 14.850000 6.9327724 3.46638621  
## 26 23.900000 14.6136922 7.30684610  
## 27 30.800000 28.6858850 14.34294252  
## 28 55.400000 40.4537596 20.22687981  
## 29 7.700000 5.3603482 2.68017412  
## 30 28.250000 33.4354602 16.71773011  
## 31 19.950000 12.1044069 6.05220346  
## 32 20.200000 15.7936696 7.89683481  
## 33 49.100000 60.5878976 30.29394879  
## 34 28.550000 18.1889160 9.09445802  
## 35 67.400000 67.2803092 33.64015458  
## 36 78.350000 71.9090861 35.95454306  
## 37 18.400000 14.0237893 7.01189466  
## 38 17.750000 8.8111672 4.40558358  
## 39 52.600000 35.9748060 17.98740300  
## 40 69.400000 48.3454238 24.17271189  
## 41 27.600000 33.5076111 19.34562827  
## 42 34.700000 26.9164138 13.45820691  
## 43 15.800000 13.1194512 7.57451869  
## 44 23.750000 17.0484603 8.52423017  
## 45 33.666667 42.0496532 24.27737859  
## 46 112.200000 102.3774715 51.18873574  
## 47 98.466667 104.2252049 60.17445010  
## 48 115.500000 97.2025377 48.60126884  
## 49 16.500000 26.5463117 13.27315587  
## 50 1.100000 0.8406347 0.42031734  
## 51 1.800000 2.0199010 1.00995049  
## 52 42.000000 72.1747878 36.08739392  
## 53 1.950000 1.3796135 0.68980674  
## 54 2.950000 2.8160256 1.40801278  
## 55 2.850000 2.7000000 1.35000000  
## 56 4.150000 6.8922662 3.44613310  
## 57 5.650000 10.6387656 5.31938280  
## 58 1.300000 2.0688161 1.03440804  
## 59 7.450000 13.7038924 6.85194620  
## 60 3.350000 3.2057240 1.60286202  
## 61 7.750000 10.0244701 5.01223503  
## 62 3.100000 2.6807959 1.34039795  
## 63 2.450000 3.2675169 1.63375845  
## 64 1.900000 1.1372481 0.56862407  
## 65 3.700000 0.5291503 0.26457513  
## 66 4.300000 3.9816245 1.99081223  
## 67 6.850000 7.2633785 3.63168923  
## 68 2.550000 2.5159491 1.25797456  
## 69 3.200000 2.1786846 1.08934231  
## 70 1.300000 0.9309493 0.46547467  
## 71 2.150000 1.5351439 0.76757193  
## 72 2.500000 1.2909944 0.64549722  
## 73 13.350000 7.7980767 3.89903834  
## 74 6.700000 5.2776257 2.63881286  
## 75 6.150000 12.1670320 6.08351598  
## 76 0.450000 0.5259911 0.26299556  
## 77 9.050000 13.6307251 6.81536255  
## 78 8.000000 5.7526805 2.87634027  
## 79 13.450000 10.2922301 5.14611504  
## 80 6.000000 4.0824829 2.04124145  
## 81 2.900000 4.8839874 2.44199372  
## 82 1.250000 1.3699148 0.68495742  
## 83 1.100000 1.0392305 0.51961524  
## 84 1.500000 1.2382784 0.61913919  
## 85 0.600000 1.0708252 0.53541261  
## 86 0.100000 0.1154701 0.05773503  
## 87 0.700000 0.3829708 0.19148542  
## 88 0.250000 0.3785939 0.18929694  
## 89 0.200000 0.2828427 0.14142136  
## 90 0.100000 0.1154701 0.05773503  
## 91 0.250000 0.1914854 0.09574271  
## 92 0.250000 0.3785939 0.18929694  
## 93 0.400000 0.4320494 0.21602469  
## 94 0.200000 0.2309401 0.11547005  
## 95 0.300000 0.2000000 0.10000000  
## 96 0.500000 0.2581989 0.12909944  
## 97 5.600000 7.6837491 3.84187454  
## 98 8.450000 6.6960187 3.34800936  
## 99 3.600000 4.0033319 2.00166597  
## 100 6.850000 6.2040309 3.10201547  
## 101 0.650000 0.6608076 0.33040379  
## 102 0.600000 0.1632993 0.08164966  
## 103 2.100000 2.1071308 1.05356538  
## 104 6.300000 9.6726418 4.83632092  
## 105 1.600000 2.3266571 1.16332856  
## 106 1.600000 2.0461346 1.02306728  
## 107 1.600000 1.6970563 0.84852814  
## 108 5.250000 2.2173558 1.10867789  
## 109 6.450000 6.4526480 3.22632402  
## 110 13.850000 17.6078581 8.80392905  
## 111 6.050000 8.0587427 4.02937133  
## 112 5.800000 2.3832751 1.19163753  
## 113 1.200000 1.5055453 0.75277265  
## 114 1.850000 1.1818065 0.59090326  
## 115 2.150000 2.3057898 1.15289491  
## 116 0.800000 0.9092121 0.45460606  
## 117 3.650000 4.0869712 2.04348558  
## 118 0.800000 0.8485281 0.42426407  
## 119 1.450000 0.9574271 0.47871355  
## 120 2.100000 2.0493902 1.02469508  
## 121 17.350000 8.3016063 4.15080314  
## 122 21.400000 18.0333025 9.01665126  
## 123 56.600000 27.6439264 13.82196320  
## 124 59.100000 31.3732370 15.68661850  
## 125 15.200000 11.3713089 5.68565446  
## 126 35.150000 14.8318351 7.41591757  
## 127 13.650000 7.4661458 3.73307291  
## 128 11.400000 5.5641711 2.78208555  
## 129 37.300000 26.3583004 13.17915020  
## 130 42.350000 46.4546732 23.22733662  
## 131 107.600000 83.7731858 41.88659292  
## 132 59.250000 53.8448079 26.92240393

## TRT Product DPR\_Label Block Leaf\_Location  
## 1 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 1 Bottom  
## 2 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 1 Bottom  
## 3 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 1 Top  
## 4 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 1 Top  
## 5 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 1 Top  
## 6 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 2 Bottom  
## 7 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 2 Bottom  
## 8 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 2 Top  
## 9 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 2 Top  
## 10 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 2 Top  
## 11 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 3 Bottom  
## 12 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 3 Bottom  
## 13 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 3 Top  
## 14 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 3 Top  
## 15 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 3 Top  
## 16 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 4 Bottom  
## 17 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 4 Bottom  
## 18 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 4 Top  
## 19 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 4 Top  
## 20 1 Sefina\_14oz\_30gpa Afidopyropen\_StdCov 4 Top  
## 21 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 1 Bottom  
## 22 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 1 Bottom  
## 23 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 1 Top  
## 24 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 1 Top  
## 25 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 1 Top  
## 26 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 2 Bottom  
## 27 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 2 Bottom  
## 28 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 2 Top  
## 29 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 2 Top  
## 30 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 2 Top  
## 31 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 3 Bottom  
## 32 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 3 Bottom  
## 33 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 3 Top  
## 34 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 3 Top  
## 35 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 3 Top  
## 36 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 4 Bottom  
## 37 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 4 Bottom  
## 38 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 4 Top  
## 39 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 4 Top  
## 40 2 PQZ\_3.2floz\_30gpa Pyrifluquinazon\_StdCov 4 Top  
## 41 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 1 Bottom  
## 42 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 1 Bottom  
## 43 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 1 Top  
## 44 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 1 Top  
## 45 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 1 Top  
## 46 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 2 Bottom  
## 47 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 2 Bottom  
## 48 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 2 Top  
## 49 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 2 Top  
## 50 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 2 Top  
## 51 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 3 Bottom  
## 52 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 3 Bottom  
## 53 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 3 Top  
## 54 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 3 Top  
## 55 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 3 Top  
## 56 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 4 Bottom  
## 57 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 4 Bottom  
## 58 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 4 Top  
## 59 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 4 Top  
## 60 3 SivantoPrime\_14floz\_30gpa Flupyradifurone\_StdCov 4 Top  
## 61 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 1 Bottom  
## 62 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 1 Bottom  
## 63 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 1 Top  
## 64 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 1 Top  
## 65 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 1 Top  
## 66 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 2 Bottom  
## 67 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 2 Bottom  
## 68 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 2 Top  
## 69 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 2 Top  
## 70 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 2 Top  
## 71 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 3 Bottom  
## 72 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 3 Bottom  
## 73 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 3 Top  
## 74 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 3 Top  
## 75 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 3 Top  
## 76 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 4 Bottom  
## 77 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 4 Bottom  
## 78 4 Courier\_12.5floz\_30gpa Buprofezin\_StdCov 4 Top  
## 79 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 1 Bottom  
## 80 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 1 Bottom  
## 81 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 1 Top  
## 82 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 1 Top  
## 83 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 1 Top  
## 84 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 2 Bottom  
## 85 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 2 Bottom  
## 86 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 2 Top  
## 87 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 2 Top  
## 88 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 2 Top  
## 89 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 3 Bottom  
## 90 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 3 Bottom  
## 91 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 3 Top  
## 92 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 3 Top  
## 93 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 3 Top  
## 94 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 4 Bottom  
## 95 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 4 Bottom  
## 96 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 4 Top  
## 97 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 4 Top  
## 98 5 Assail\_2.3oz\_30gpa Acetamiprid\_StdCov 4 Top  
## 99 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 1 Bottom  
## 100 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 1 Bottom  
## 101 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 1 Top  
## 102 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 1 Top  
## 103 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 1 Top  
## 104 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 2 Bottom  
## 105 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 2 Bottom  
## 106 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 2 Top  
## 107 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 2 Top  
## 108 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 2 Top  
## 109 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 3 Bottom  
## 110 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 3 Bottom  
## 111 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 3 Top  
## 112 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 3 Top  
## 113 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 3 Top  
## 114 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 4 Bottom  
## 115 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 4 Bottom  
## 116 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 4 Top  
## 117 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 4 Top  
## 118 10 Sefina\_14oz\_10gpa Afidopyropen\_LowCov 4 Top  
## 119 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 1 Bottom  
## 120 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 1 Bottom  
## 121 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 1 Top  
## 122 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 1 Top  
## 123 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 1 Top  
## 124 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 2 Bottom  
## 125 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 2 Bottom  
## 126 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 2 Top  
## 127 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 2 Top  
## 128 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 2 Top  
## 129 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 3 Bottom  
## 130 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 3 Bottom  
## 131 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 3 Top  
## 132 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 3 Top  
## 133 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 3 Top  
## 134 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 4 Bottom  
## 135 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 4 Bottom  
## 136 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 4 Top  
## 137 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 4 Top  
## 138 11 PQZ\_3.2floz\_10gpa Pyrifluquinazon\_LowCov 4 Top  
## 139 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 1 Bottom  
## 140 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 1 Bottom  
## 141 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 1 Top  
## 142 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 1 Top  
## 143 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 1 Top  
## 144 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 2 Bottom  
## 145 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 2 Bottom  
## 146 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 2 Top  
## 147 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 2 Top  
## 148 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 2 Top  
## 149 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 3 Bottom  
## 150 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 3 Bottom  
## 151 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 3 Top  
## 152 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 3 Top  
## 153 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 3 Top  
## 154 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 4 Bottom  
## 155 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 4 Bottom  
## 156 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 4 Top  
## 157 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 4 Top  
## 158 12 SivantoPrime\_14floz\_10gpa Flupyradifurone\_LowCov 4 Top  
## 159 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 1 Bottom  
## 160 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 1 Bottom  
## 161 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 1 Top  
## 162 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 1 Top  
## 163 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 1 Top  
## 164 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 2 Bottom  
## 165 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 2 Bottom  
## 166 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 2 Top  
## 167 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 2 Top  
## 168 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 2 Top  
## 169 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 3 Bottom  
## 170 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 3 Bottom  
## 171 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 3 Top  
## 172 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 3 Top  
## 173 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 3 Top  
## 174 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 4 Bottom  
## 175 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 4 Bottom  
## 176 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 4 Top  
## 177 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 4 Top  
## 178 13 Courier\_12.5floz\_10gpa Buprofezin\_LowCov 4 Top  
## 179 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 1 Bottom  
## 180 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 1 Bottom  
## 181 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 1 Top  
## 182 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 2 Bottom  
## 183 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 2 Bottom  
## 184 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 2 Top  
## 185 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 2 Top  
## 186 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 2 Top  
## 187 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 3 Bottom  
## 188 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 3 Bottom  
## 189 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 3 Top  
## 190 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 3 Top  
## 191 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 3 Top  
## 192 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 4 Bottom  
## 193 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 4 Bottom  
## 194 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 4 Top  
## 195 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 4 Top  
## 196 14 Assail\_2.3oz\_10gpa Acetamiprid\_LowCov 4 Top  
## 197 15 Untreated Untreated 1 Bottom  
## 198 15 Untreated Untreated 1 Bottom  
## 199 15 Untreated Untreated 1 Top  
## 200 15 Untreated Untreated 1 Top  
## 201 15 Untreated Untreated 1 Top  
## 202 15 Untreated Untreated 2 Bottom  
## 203 15 Untreated Untreated 2 Bottom  
## 204 15 Untreated Untreated 2 Top  
## 205 15 Untreated Untreated 2 Top  
## 206 15 Untreated Untreated 2 Top  
## 207 15 Untreated Untreated 3 Bottom  
## 208 15 Untreated Untreated 3 Bottom  
## 209 15 Untreated Untreated 3 Top  
## 210 15 Untreated Untreated 3 Top  
## 211 15 Untreated Untreated 3 Top  
## 212 15 Untreated Untreated 4 Bottom  
## 213 15 Untreated Untreated 4 Bottom  
## 214 15 Untreated Untreated 4 Top  
## 215 15 Untreated Untreated 4 Top  
## 216 15 Untreated Untreated 4 Top  
## DAT WF.Nym.Sum WF.Ad.Sum Aph.Tot.Sum  
## 1 7-DAT1 0.0 0.75 0.0  
## 2 13-DAT1 0.0 0.05 0.0  
## 3 7-DAT1 0.0 2.45 0.0  
## 4 10-DAT1 0.0 0.20 0.0  
## 5 13-DAT1 0.0 0.00 0.4  
## 6 7-DAT1 0.2 0.00 0.2  
## 7 13-DAT1 0.4 0.00 0.2  
## 8 7-DAT1 0.0 0.10 0.2  
## 9 10-DAT1 0.0 0.05 0.2  
## 10 13-DAT1 0.0 0.00 0.0  
## 11 7-DAT1 0.6 0.00 0.0  
## 12 13-DAT1 0.4 0.00 0.0  
## 13 7-DAT1 0.0 0.00 0.6  
## 14 10-DAT1 0.0 0.00 0.0  
## 15 13-DAT1 0.0 0.00 0.4  
## 16 7-DAT1 1.2 0.00 2.2  
## 17 13-DAT1 0.6 0.00 0.2  
## 18 7-DAT1 0.0 0.00 0.0  
## 19 10-DAT1 0.8 0.00 0.2  
## 20 13-DAT1 0.2 0.00 0.2  
## 21 7-DAT1 0.0 0.05 2.0  
## 22 13-DAT1 0.8 0.00 6.8  
## 23 7-DAT1 0.0 0.20 3.4  
## 24 10-DAT1 0.2 0.20 3.2  
## 25 13-DAT1 0.2 0.50 4.2  
## 26 7-DAT1 0.0 0.00 1.4  
## 27 13-DAT1 0.0 0.00 0.4  
## 28 7-DAT1 0.0 0.00 3.2  
## 29 10-DAT1 0.0 0.05 1.8  
## 30 13-DAT1 0.2 0.00 1.6  
## 31 7-DAT1 0.4 0.00 22.6  
## 32 13-DAT1 0.0 0.00 2.4  
## 33 7-DAT1 0.0 0.00 3.8  
## 34 10-DAT1 0.4 0.10 2.0  
## 35 13-DAT1 0.0 0.00 4.0  
## 36 7-DAT1 0.4 0.00 5.0  
## 37 13-DAT1 0.0 0.00 2.8  
## 38 7-DAT1 0.0 0.10 4.4  
## 39 10-DAT1 0.4 0.00 10.2  
## 40 13-DAT1 0.6 0.00 17.6  
## 41 7-DAT1 0.0 0.15 1.0  
## 42 13-DAT1 0.0 0.00 13.0  
## 43 7-DAT1 0.6 0.30 0.0  
## 44 10-DAT1 0.0 0.05 2.6  
## 45 13-DAT1 0.8 0.00 1.0  
## 46 7-DAT1 0.0 0.00 1.4  
## 47 13-DAT1 0.0 0.00 39.0  
## 48 7-DAT1 0.0 0.20 0.8  
## 49 10-DAT1 0.0 0.00 2.8  
## 50 13-DAT1 0.0 0.00 5.6  
## 51 7-DAT1 0.4 0.00 9.0  
## 52 13-DAT1 4.2 0.00 2.6  
## 53 7-DAT1 0.0 0.15 3.4  
## 54 10-DAT1 0.2 0.00 0.2  
## 55 13-DAT1 0.0 0.00 1.2  
## 56 7-DAT1 0.8 0.00 14.4  
## 57 13-DAT1 0.0 0.00 0.8  
## 58 7-DAT1 0.2 0.00 0.6  
## 59 10-DAT1 0.0 0.00 1.8  
## 60 13-DAT1 0.0 0.00 0.8  
## 61 7-DAT1 0.0 0.45 12.8  
## 62 13-DAT1 0.8 0.15 30.4  
## 63 7-DAT1 0.0 0.40 66.2  
## 64 10-DAT1 0.2 0.30 20.2  
## 65 13-DAT1 1.0 0.40 30.6  
## 66 7-DAT1 0.6 0.00 39.0  
## 67 13-DAT1 0.0 0.00 14.0  
## 68 7-DAT1 0.0 0.15 10.6  
## 69 10-DAT1 0.0 0.05 28.0  
## 70 13-DAT1 0.0 0.00 5.6  
## 71 7-DAT1 0.4 0.00 14.2  
## 72 13-DAT1 0.0 0.00 10.2  
## 73 7-DAT1 0.2 0.15 6.0  
## 74 10-DAT1 0.2 0.15 16.2  
## 75 13-DAT1 0.0 0.00 11.2  
## 76 7-DAT1 0.0 0.00 7.6  
## 77 13-DAT1 0.0 0.00 16.4  
## 78 10-DAT1 0.0 0.05 74.4  
## 79 7-DAT1 0.0 0.70 0.0  
## 80 13-DAT1 0.2 0.05 5.6  
## 81 7-DAT1 0.2 0.20 0.2  
## 82 10-DAT1 3.0 0.20 0.0  
## 83 13-DAT1 0.0 0.00 0.0  
## 84 7-DAT1 0.2 0.00 2.0  
## 85 13-DAT1 0.0 0.00 9.0  
## 86 7-DAT1 0.2 0.15 0.4  
## 87 10-DAT1 0.2 0.20 0.2  
## 88 13-DAT1 0.0 0.05 0.2  
## 89 7-DAT1 0.0 0.00 0.6  
## 90 13-DAT1 0.0 0.00 0.2  
## 91 7-DAT1 0.0 0.15 1.0  
## 92 10-DAT1 0.4 0.00 0.2  
## 93 13-DAT1 0.0 0.00 0.6  
## 94 7-DAT1 1.0 0.00 4.0  
## 95 13-DAT1 0.6 0.00 1.4  
## 96 7-DAT1 0.0 0.10 0.0  
## 97 10-DAT1 0.2 0.05 0.2  
## 98 13-DAT1 0.0 0.00 0.0  
## 99 7-DAT1 0.0 0.55 1.8  
## 100 13-DAT1 0.0 0.00 6.0  
## 101 7-DAT1 0.0 1.15 0.4  
## 102 10-DAT1 0.0 0.05 2.2  
## 103 13-DAT1 0.0 0.10 1.8  
## 104 7-DAT1 0.0 0.00 18.8  
## 105 13-DAT1 0.0 0.00 5.4  
## 106 7-DAT1 0.0 0.10 3.2  
## 107 10-DAT1 0.0 0.10 14.4  
## 108 13-DAT1 0.0 0.00 10.2  
## 109 7-DAT1 0.2 0.00 17.0  
## 110 13-DAT1 0.0 0.00 14.0  
## 111 7-DAT1 0.0 0.00 29.4  
## 112 10-DAT1 0.4 0.50 11.2  
## 113 13-DAT1 0.2 0.00 15.4  
## 114 7-DAT1 1.8 0.00 15.8  
## 115 13-DAT1 0.0 0.00 1.4  
## 116 7-DAT1 0.0 0.05 3.2  
## 117 10-DAT1 1.0 0.05 4.2  
## 118 13-DAT1 0.4 0.00 26.4  
## 119 7-DAT1 0.0 0.00 0.6  
## 120 13-DAT1 0.0 0.00 0.0  
## 121 7-DAT1 0.2 0.00 0.2  
## 122 10-DAT1 0.0 0.00 0.8  
## 123 13-DAT1 0.0 0.00 0.6  
## 124 7-DAT1 0.6 0.00 3.6  
## 125 13-DAT1 0.0 0.00 1.4  
## 126 7-DAT1 0.0 0.25 3.4  
## 127 10-DAT1 0.0 0.05 4.4  
## 128 13-DAT1 0.0 0.00 6.0  
## 129 7-DAT1 0.6 0.10 56.2  
## 130 13-DAT1 2.4 0.00 2.0  
## 131 7-DAT1 0.0 0.00 2.6  
## 132 10-DAT1 0.2 0.05 0.4  
## 133 13-DAT1 0.6 0.00 0.6  
## 134 7-DAT1 0.4 0.00 5.6  
## 135 13-DAT1 0.4 0.00 1.0  
## 136 7-DAT1 0.0 0.00 1.6  
## 137 10-DAT1 0.8 0.20 6.2  
## 138 13-DAT1 0.0 0.00 4.2  
## 139 7-DAT1 0.0 0.00 1.0  
## 140 13-DAT1 0.0 0.00 10.6  
## 141 7-DAT1 0.0 0.00 1.4  
## 142 10-DAT1 0.0 0.00 0.8  
## 143 13-DAT1 0.0 0.15 0.6  
## 144 7-DAT1 0.0 0.05 1.0  
## 145 13-DAT1 0.0 0.00 16.4  
## 146 7-DAT1 0.0 0.40 1.0  
## 147 10-DAT1 0.0 0.35 0.4  
## 148 13-DAT1 0.0 0.05 1.0  
## 149 7-DAT1 0.0 0.00 3.4  
## 150 13-DAT1 0.0 0.00 0.6  
## 151 7-DAT1 0.0 0.20 0.0  
## 152 10-DAT1 0.0 0.05 0.6  
## 153 13-DAT1 0.6 0.00 1.6  
## 154 7-DAT1 1.4 0.00 17.0  
## 155 13-DAT1 0.2 0.00 6.2  
## 156 7-DAT1 0.0 0.05 0.2  
## 157 10-DAT1 0.6 0.00 0.6  
## 158 13-DAT1 0.4 0.00 5.2  
## 159 7-DAT1 0.2 0.10 9.2  
## 160 13-DAT1 0.0 0.00 39.2  
## 161 7-DAT1 0.0 1.45 4.0  
## 162 10-DAT1 0.0 0.25 27.4  
## 163 13-DAT1 0.0 0.10 21.6  
## 164 7-DAT1 0.0 0.00 8.8  
## 165 13-DAT1 0.0 0.00 13.6  
## 166 7-DAT1 0.2 0.20 6.4  
## 167 10-DAT1 0.0 0.00 5.8  
## 168 13-DAT1 0.0 0.00 9.8  
## 169 7-DAT1 0.4 0.00 22.6  
## 170 13-DAT1 0.0 0.00 33.4  
## 171 7-DAT1 0.0 0.10 15.6  
## 172 10-DAT1 0.0 0.00 75.8  
## 173 13-DAT1 0.0 0.00 36.4  
## 174 7-DAT1 4.8 0.00 18.8  
## 175 13-DAT1 0.0 0.00 9.4  
## 176 7-DAT1 0.0 0.15 4.8  
## 177 10-DAT1 0.8 0.05 4.0  
## 178 13-DAT1 0.2 0.00 12.0  
## 179 7-DAT1 0.0 0.20 0.4  
## 180 13-DAT1 0.2 0.05 2.4  
## 181 10-DAT1 0.2 0.25 0.2  
## 182 7-DAT1 0.0 0.15 0.0  
## 183 13-DAT1 0.0 0.05 3.2  
## 184 7-DAT1 0.0 0.60 0.4  
## 185 10-DAT1 0.0 0.10 0.2  
## 186 13-DAT1 0.0 0.00 1.0  
## 187 7-DAT1 0.2 0.00 15.8  
## 188 13-DAT1 0.0 0.00 20.2  
## 189 7-DAT1 0.2 0.00 24.0  
## 190 10-DAT1 0.0 0.15 10.6  
## 191 13-DAT1 0.0 0.00 13.6  
## 192 7-DAT1 1.2 0.00 1.6  
## 193 13-DAT1 0.0 0.00 1.2  
## 194 7-DAT1 0.0 0.00 0.4  
## 195 10-DAT1 0.0 0.10 1.0  
## 196 13-DAT1 0.2 0.00 1.6  
## 197 7-DAT1 0.0 0.40 11.6  
## 198 13-DAT1 0.4 0.10 19.0  
## 199 7-DAT1 0.2 1.15 9.2  
## 200 10-DAT1 0.4 0.10 23.8  
## 201 13-DAT1 0.8 0.00 6.8  
## 202 7-DAT1 0.0 0.00 28.6  
## 203 13-DAT1 0.0 0.00 9.2  
## 204 7-DAT1 0.2 0.00 23.6  
## 205 10-DAT1 0.4 0.05 49.6  
## 206 13-DAT1 0.0 0.00 19.6  
## 207 7-DAT1 0.0 0.00 10.6  
## 208 13-DAT1 0.2 0.00 9.8  
## 209 7-DAT1 0.4 0.10 25.8  
## 210 10-DAT1 0.0 0.05 21.0  
## 211 13-DAT1 0.0 0.00 7.6  
## 212 7-DAT1 0.2 0.00 18.6  
## 213 13-DAT1 0.8 0.00 47.6  
## 214 7-DAT1 0.0 0.10 2.2  
## 215 10-DAT1 1.0 0.05 46.2  
## 216 13-DAT1 0.8 0.00 20.6

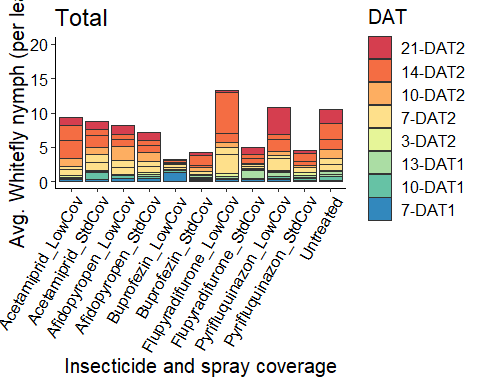
## Product TRT Block Leaf\_Location DPR\_Label  
## 1 Assail\_2.3oz\_10gpa 14 1 Bottom Acetamiprid\_LowCov  
## 2 Assail\_2.3oz\_10gpa 14 2 Bottom Acetamiprid\_LowCov  
## 3 Assail\_2.3oz\_10gpa 14 2 Top Acetamiprid\_LowCov  
## 4 Assail\_2.3oz\_10gpa 14 3 Bottom Acetamiprid\_LowCov  
## 5 Assail\_2.3oz\_10gpa 14 3 Top Acetamiprid\_LowCov  
## 6 Assail\_2.3oz\_10gpa 14 4 Bottom Acetamiprid\_LowCov  
## 7 Assail\_2.3oz\_10gpa 14 4 Top Acetamiprid\_LowCov  
## 8 Assail\_2.3oz\_30gpa 5 1 Bottom Acetamiprid\_StdCov  
## 9 Assail\_2.3oz\_30gpa 5 1 Top Acetamiprid\_StdCov  
## 10 Assail\_2.3oz\_30gpa 5 2 Bottom Acetamiprid\_StdCov  
## 11 Assail\_2.3oz\_30gpa 5 2 Top Acetamiprid\_StdCov  
## 12 Assail\_2.3oz\_30gpa 5 3 Bottom Acetamiprid\_StdCov  
## 13 Assail\_2.3oz\_30gpa 5 3 Top Acetamiprid\_StdCov  
## 14 Assail\_2.3oz\_30gpa 5 4 Bottom Acetamiprid\_StdCov  
## 15 Assail\_2.3oz\_30gpa 5 4 Top Acetamiprid\_StdCov  
## 16 Courier\_12.5floz\_10gpa 13 1 Bottom Buprofezin\_LowCov  
## 17 Courier\_12.5floz\_10gpa 13 1 Top Buprofezin\_LowCov  
## 18 Courier\_12.5floz\_10gpa 13 2 Bottom Buprofezin\_LowCov  
## 19 Courier\_12.5floz\_10gpa 13 2 Top Buprofezin\_LowCov  
## 20 Courier\_12.5floz\_10gpa 13 3 Bottom Buprofezin\_LowCov  
## 21 Courier\_12.5floz\_10gpa 13 3 Top Buprofezin\_LowCov  
## 22 Courier\_12.5floz\_10gpa 13 4 Bottom Buprofezin\_LowCov  
## 23 Courier\_12.5floz\_10gpa 13 4 Top Buprofezin\_LowCov  
## 24 Courier\_12.5floz\_30gpa 4 1 Bottom Buprofezin\_StdCov  
## 25 Courier\_12.5floz\_30gpa 4 1 Top Buprofezin\_StdCov  
## 26 Courier\_12.5floz\_30gpa 4 2 Bottom Buprofezin\_StdCov  
## 27 Courier\_12.5floz\_30gpa 4 2 Top Buprofezin\_StdCov  
## 28 Courier\_12.5floz\_30gpa 4 3 Bottom Buprofezin\_StdCov  
## 29 Courier\_12.5floz\_30gpa 4 3 Top Buprofezin\_StdCov  
## 30 Courier\_12.5floz\_30gpa 4 4 Bottom Buprofezin\_StdCov  
## 31 PQZ\_3.2floz\_10gpa 11 1 Bottom Pyrifluquinazon\_LowCov  
## 32 PQZ\_3.2floz\_10gpa 11 1 Top Pyrifluquinazon\_LowCov  
## 33 PQZ\_3.2floz\_10gpa 11 2 Bottom Pyrifluquinazon\_LowCov  
## 34 PQZ\_3.2floz\_10gpa 11 2 Top Pyrifluquinazon\_LowCov  
## 35 PQZ\_3.2floz\_10gpa 11 3 Bottom Pyrifluquinazon\_LowCov  
## 36 PQZ\_3.2floz\_10gpa 11 3 Top Pyrifluquinazon\_LowCov  
## 37 PQZ\_3.2floz\_10gpa 11 4 Bottom Pyrifluquinazon\_LowCov  
## 38 PQZ\_3.2floz\_10gpa 11 4 Top Pyrifluquinazon\_LowCov  
## 39 PQZ\_3.2floz\_30gpa 2 1 Bottom Pyrifluquinazon\_StdCov  
## 40 PQZ\_3.2floz\_30gpa 2 1 Top Pyrifluquinazon\_StdCov  
## 41 PQZ\_3.2floz\_30gpa 2 2 Bottom Pyrifluquinazon\_StdCov  
## 42 PQZ\_3.2floz\_30gpa 2 2 Top Pyrifluquinazon\_StdCov  
## 43 PQZ\_3.2floz\_30gpa 2 3 Bottom Pyrifluquinazon\_StdCov  
## 44 PQZ\_3.2floz\_30gpa 2 3 Top Pyrifluquinazon\_StdCov  
## 45 PQZ\_3.2floz\_30gpa 2 4 Bottom Pyrifluquinazon\_StdCov  
## 46 PQZ\_3.2floz\_30gpa 2 4 Top Pyrifluquinazon\_StdCov  
## 47 Sefina\_14oz\_10gpa 10 1 Bottom Afidopyropen\_LowCov  
## 48 Sefina\_14oz\_10gpa 10 1 Top Afidopyropen\_LowCov  
## 49 Sefina\_14oz\_10gpa 10 2 Bottom Afidopyropen\_LowCov  
## 50 Sefina\_14oz\_10gpa 10 2 Top Afidopyropen\_LowCov  
## 51 Sefina\_14oz\_10gpa 10 3 Bottom Afidopyropen\_LowCov  
## 52 Sefina\_14oz\_10gpa 10 3 Top Afidopyropen\_LowCov  
## 53 Sefina\_14oz\_10gpa 10 4 Bottom Afidopyropen\_LowCov  
## 54 Sefina\_14oz\_10gpa 10 4 Top Afidopyropen\_LowCov  
## 55 Sefina\_14oz\_30gpa 1 1 Bottom Afidopyropen\_StdCov  
## 56 Sefina\_14oz\_30gpa 1 1 Top Afidopyropen\_StdCov  
## 57 Sefina\_14oz\_30gpa 1 2 Bottom Afidopyropen\_StdCov  
## 58 Sefina\_14oz\_30gpa 1 2 Top Afidopyropen\_StdCov  
## 59 Sefina\_14oz\_30gpa 1 3 Bottom Afidopyropen\_StdCov  
## 60 Sefina\_14oz\_30gpa 1 3 Top Afidopyropen\_StdCov  
## 61 Sefina\_14oz\_30gpa 1 4 Bottom Afidopyropen\_StdCov  
## 62 Sefina\_14oz\_30gpa 1 4 Top Afidopyropen\_StdCov  
## 63 SivantoPrime\_14floz\_10gpa 12 1 Bottom Flupyradifurone\_LowCov  
## 64 SivantoPrime\_14floz\_10gpa 12 1 Top Flupyradifurone\_LowCov  
## 65 SivantoPrime\_14floz\_10gpa 12 2 Bottom Flupyradifurone\_LowCov  
## 66 SivantoPrime\_14floz\_10gpa 12 2 Top Flupyradifurone\_LowCov  
## 67 SivantoPrime\_14floz\_10gpa 12 3 Bottom Flupyradifurone\_LowCov  
## 68 SivantoPrime\_14floz\_10gpa 12 3 Top Flupyradifurone\_LowCov  
## 69 SivantoPrime\_14floz\_10gpa 12 4 Bottom Flupyradifurone\_LowCov  
## 70 SivantoPrime\_14floz\_10gpa 12 4 Top Flupyradifurone\_LowCov  
## 71 SivantoPrime\_14floz\_30gpa 3 1 Bottom Flupyradifurone\_StdCov  
## 72 SivantoPrime\_14floz\_30gpa 3 1 Top Flupyradifurone\_StdCov  
## 73 SivantoPrime\_14floz\_30gpa 3 2 Bottom Flupyradifurone\_StdCov  
## 74 SivantoPrime\_14floz\_30gpa 3 2 Top Flupyradifurone\_StdCov  
## 75 SivantoPrime\_14floz\_30gpa 3 3 Bottom Flupyradifurone\_StdCov  
## 76 SivantoPrime\_14floz\_30gpa 3 3 Top Flupyradifurone\_StdCov  
## 77 SivantoPrime\_14floz\_30gpa 3 4 Bottom Flupyradifurone\_StdCov  
## 78 SivantoPrime\_14floz\_30gpa 3 4 Top Flupyradifurone\_StdCov  
## 79 Untreated 15 1 Bottom Untreated  
## 80 Untreated 15 1 Top Untreated  
## 81 Untreated 15 2 Bottom Untreated  
## 82 Untreated 15 2 Top Untreated  
## 83 Untreated 15 3 Bottom Untreated  
## 84 Untreated 15 3 Top Untreated  
## 85 Untreated 15 4 Bottom Untreated  
## 86 Untreated 15 4 Top Untreated  
## App DAT WfNym.Sum WfAd.Sum Aph.Tot.Sum  
## 1 App1 7-DAT1 0.0 0.20 0.4  
## 2 App2 7-DAT2 1.4 0.00 0.6  
## 3 App2 14-DAT2 3.2 0.00 1.4  
## 4 App1 7-DAT1 0.2 0.00 15.8  
## 5 App1 13-DAT1 0.0 0.00 13.6  
## 6 App2 7-DAT2 0.0 0.00 2.8  
## 7 App2 14-DAT2 1.8 0.05 0.8  
## 8 App1 7-DAT1 0.0 0.70 0.0  
## 9 App1 13-DAT1 0.0 0.00 0.0  
## 10 App1 7-DAT1 0.2 0.00 2.0  
## 11 App1 13-DAT1 0.0 0.05 0.2  
## 12 App1 7-DAT1 0.0 0.00 0.6  
## 13 App1 13-DAT1 0.0 0.00 0.6  
## 14 App1 7-DAT1 1.0 0.00 4.0  
## 15 App1 13-DAT1 0.0 0.00 0.0  
## 16 App1 7-DAT1 0.2 0.10 9.2  
## 17 App1 13-DAT1 0.0 0.10 21.6  
## 18 App1 7-DAT1 0.0 0.00 8.8  
## 19 App1 13-DAT1 0.0 0.00 9.8  
## 20 App1 7-DAT1 0.4 0.00 22.6  
## 21 App1 13-DAT1 0.0 0.00 36.4  
## 22 App2 7-DAT2 0.0 0.00 14.2  
## 23 App2 14-DAT2 0.6 0.10 0.0  
## 24 App1 7-DAT1 0.0 0.45 12.8  
## 25 App1 13-DAT1 1.0 0.40 30.6  
## 26 App2 7-DAT2 0.0 0.05 69.0  
## 27 App2 14-DAT2 2.8 0.90 86.4  
## 28 App1 7-DAT1 0.4 0.00 14.2  
## 29 App1 13-DAT1 0.0 0.00 11.2  
## 30 App2 14-DAT2 0.0 0.50 65.4  
## 31 App1 7-DAT1 0.0 0.00 0.6  
## 32 App1 13-DAT1 0.0 0.00 0.6  
## 33 App1 7-DAT1 0.6 0.00 3.6  
## 34 App1 13-DAT1 0.0 0.00 6.0  
## 35 App1 7-DAT1 0.6 0.10 56.2  
## 36 App1 13-DAT1 0.6 0.00 0.6  
## 37 App1 7-DAT1 0.4 0.00 5.6  
## 38 App1 13-DAT1 0.0 0.00 4.2  
## 39 App2 7-DAT2 0.0 0.00 2.0  
## 40 App2 14-DAT2 1.2 0.00 1.8  
## 41 App2 7-DAT2 0.2 0.00 0.2  
## 42 App2 14-DAT2 0.6 0.20 1.4  
## 43 App1 7-DAT1 0.4 0.00 22.6  
## 44 App1 13-DAT1 0.0 0.00 4.0  
## 45 App2 14-DAT2 0.4 0.30 0.6  
## 46 App1 7-DAT1 0.0 0.10 4.4  
## 47 App2 7-DAT2 0.2 0.00 24.4  
## 48 App2 14-DAT2 2.2 0.00 0.6  
## 49 App2 7-DAT2 2.8 0.05 0.2  
## 50 App2 14-DAT2 0.2 0.00 0.0  
## 51 App2 7-DAT2 0.8 0.00 0.0  
## 52 App2 14-DAT2 0.4 0.30 1.4  
## 53 App1 13-DAT1 0.0 0.00 1.4  
## 54 App2 7-DAT2 0.0 0.00 1.0  
## 55 App2 7-DAT2 2.8 0.00 0.6  
## 56 App2 14-DAT2 0.2 0.00 0.0  
## 57 App1 7-DAT1 0.2 0.00 0.2  
## 58 App1 13-DAT1 0.0 0.00 0.0  
## 59 App2 7-DAT2 0.4 0.00 1.0  
## 60 App2 14-DAT2 0.4 0.05 0.4  
## 61 App2 7-DAT2 0.4 0.00 1.0  
## 62 App2 14-DAT2 2.0 0.20 0.4  
## 63 App2 7-DAT2 0.8 0.00 9.6  
## 64 App2 14-DAT2 21.4 0.00 0.0  
## 65 App2 7-DAT2 1.4 0.00 1.8  
## 66 App2 14-DAT2 1.6 0.00 3.6  
## 67 App2 7-DAT2 4.2 0.15 1.4  
## 68 App2 14-DAT2 0.2 0.00 2.4  
## 69 App1 7-DAT1 1.4 0.00 17.0  
## 70 App1 13-DAT1 0.4 0.00 5.2  
## 71 App1 7-DAT1 0.0 0.15 1.0  
## 72 App1 13-DAT1 0.8 0.00 1.0  
## 73 App1 7-DAT1 0.0 0.00 1.4  
## 74 App1 13-DAT1 0.0 0.00 5.6  
## 75 App2 7-DAT2 0.8 0.00 4.6  
## 76 App2 14-DAT2 1.0 0.00 1.0  
## 77 App1 7-DAT1 0.8 0.00 14.4  
## 78 App1 13-DAT1 0.0 0.00 0.8  
## 79 App2 7-DAT2 0.0 0.00 26.6  
## 80 App2 14-DAT2 3.4 1.30 35.8  
## 81 App2 7-DAT2 1.2 0.00 92.2  
## 82 App2 14-DAT2 1.2 0.00 193.2  
## 83 App2 7-DAT2 0.4 0.00 61.2  
## 84 App2 14-DAT2 1.8 0.10 165.8  
## 85 App2 7-DAT2 1.8 0.00 46.4  
## 86 App2 14-DAT2 2.6 0.15 35.6

# With total number of whitefly nymphs

## Anova Table (Type II tests)  
##   
## Response: sqrt(WF.Nym.Sum)  
## Sum Sq Df F value Pr(>F)   
## DPR\_Label 8.403 10 1.7879 0.06156 .  
## Residuals 160.275 341   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

## DPR\_Label lsmean SE df lower.CL upper.CL .group  
## 1 Acetamiprid\_LowCov 0.7559713 0.121194 341 0.5175893 0.9943533 a  
## 2 Acetamiprid\_StdCov 0.8108150 0.121194 341 0.5724330 1.0491970 a  
## 3 Afidopyropen\_LowCov 0.7604035 0.121194 341 0.5220215 0.9987855 a  
## 4 Afidopyropen\_StdCov 0.7081139 0.121194 341 0.4697318 0.9464959 a  
## 5 Buprofezin\_LowCov 0.4196536 0.121194 341 0.1812716 0.6580357 a  
## 6 Buprofezin\_StdCov 0.4511325 0.121194 341 0.2127505 0.6895145 a  
## 7 Flupyradifurone\_LowCov 0.8301427 0.121194 341 0.5917607 1.0685247 a  
## 8 Flupyradifurone\_StdCov 0.5682088 0.121194 341 0.3298268 0.8065908 a  
## 9 Pyrifluquinazon\_LowCov 0.7899432 0.121194 341 0.5515612 1.0283253 a  
## 10 Pyrifluquinazon\_StdCov 0.5839913 0.121194 341 0.3456093 0.8223733 a  
## 11 Untreated 0.9191886 0.121194 341 0.6808066 1.1575706 a

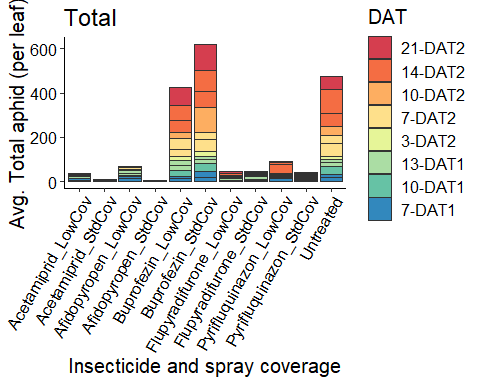
## DPR\_Label lsmean SE df lower.CL upper.CL .group  
## Buprofezin\_LowCov 0.420 0.121 341 0.181 0.658 a   
## Buprofezin\_StdCov 0.451 0.121 341 0.213 0.690 a   
## Flupyradifurone\_StdCov 0.568 0.121 341 0.330 0.807 a   
## Pyrifluquinazon\_StdCov 0.584 0.121 341 0.346 0.822 a   
## Afidopyropen\_StdCov 0.708 0.121 341 0.470 0.946 a   
## Acetamiprid\_LowCov 0.756 0.121 341 0.518 0.994 a   
## Afidopyropen\_LowCov 0.760 0.121 341 0.522 0.999 a   
## Pyrifluquinazon\_LowCov 0.790 0.121 341 0.552 1.028 a   
## Acetamiprid\_StdCov 0.811 0.121 341 0.572 1.049 a   
## Flupyradifurone\_LowCov 0.830 0.121 341 0.592 1.069 a   
## Untreated 0.919 0.121 341 0.681 1.158 a   
##   
## Results are given on the sqrt (not the response) scale.   
## Confidence level used: 0.95   
## Note: contrasts are still on the sqrt scale   
## P value adjustment: tukey method for comparing a family of 11 estimates   
## significance level used: alpha = 0.05   
## NOTE: Compact letter displays can be misleading  
## because they show NON-findings rather than findings.  
## Consider using 'pairs()', 'pwpp()', or 'pwpm()' instead.



## Anova Table (Type II tests)  
##   
## Response: sqrt(Aph.Tot.Sum)  
## Sum Sq Df F value Pr(>F)   
## DPR\_Label 2005.3 10 37.043 < 2.2e-16 \*\*\*  
## Residuals 1846.0 341   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

## DPR\_Label response SE df lower.CL upper.CL .group  
## Afidopyropen\_StdCov 0.323 0.467 341 0.000 3.04 a   
## Acetamiprid\_StdCov 0.804 0.737 341 0.000 4.29 ab   
## Acetamiprid\_LowCov 2.433 1.283 341 0.148 7.48 abc   
## Flupyradifurone\_StdCov 3.510 1.541 341 0.488 9.29 bc   
## Pyrifluquinazon\_StdCov 4.155 1.677 341 0.746 10.33 bc   
## Flupyradifurone\_LowCov 4.171 1.680 341 0.752 10.35 bc   
## Pyrifluquinazon\_LowCov 4.913 1.823 341 1.085 11.50 c   
## Afidopyropen\_LowCov 5.792 1.980 341 1.517 12.83 c   
## Buprofezin\_LowCov 40.821 5.256 341 27.188 57.21 d   
## Untreated 46.918 5.635 341 32.203 64.39 d   
## Buprofezin\_StdCov 55.879 6.149 341 39.694 74.83 d   
##   
## Confidence level used: 0.95   
## Conf-level adjustment: bonferroni method for 11 estimates   
## Intervals are back-transformed from the sqrt scale   
## Note: contrasts are still on the sqrt scale   
## P value adjustment: fdr method for 55 tests   
## significance level used: alpha = 0.05   
## NOTE: Compact letter displays can be misleading  
## because they show NON-findings rather than findings.  
## Consider using 'pairs()', 'pwpp()', or 'pwpm()' instead.

## DPR\_Label response SE df lower.CL upper.CL .group  
## 1 Acetamiprid\_LowCov 2.4328904 1.2830825 341 0.1481198 7.478484 abc   
## 2 Acetamiprid\_StdCov 0.8036972 0.7374618 341 0.0000000 4.290701 ab   
## 3 Afidopyropen\_LowCov 5.7924933 1.9798216 341 1.5174561 12.828354 c   
## 4 Afidopyropen\_StdCov 0.3226926 0.4672914 341 0.0000000 3.037943 a   
## 5 Buprofezin\_LowCov 40.8208511 5.2557454 341 27.1879914 57.214534 d  
## 6 Buprofezin\_StdCov 55.8793578 6.1492054 341 39.6942900 74.825249 d  
## 7 Flupyradifurone\_LowCov 4.1708143 1.6799785 341 0.7522925 10.350159 bc   
## 8 Flupyradifurone\_StdCov 3.5104537 1.5412565 341 0.4881974 9.293533 bc   
## 9 Pyrifluquinazon\_LowCov 4.9126655 1.8232738 341 1.0848142 11.501340 c   
## 10 Pyrifluquinazon\_StdCov 4.1548823 1.6767668 341 0.7455349 10.325053 bc   
## 11 Untreated 46.9180505 5.6346024 341 32.2029692 64.393955 d



## Anova Table (Type II tests)  
##   
## Response: sqrt(WF.Nym.Sum)  
## Sum Sq Df F value Pr(>F)   
## DPR\_Label 0.894 10 0.5317 0.86651   
## Leaf\_Location 0.687 1 4.0850 0.04457 \*  
## Residuals 34.308 204   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

## Anova Table (Type II tests)  
##   
## Response: sqrt(WF.Ad.Sum)  
## Sum Sq Df F value Pr(>F)   
## DPR\_Label 0.4823 10 0.7648 0.6626   
## Leaf\_Location 1.0226 1 16.2162 7.968e-05 \*\*\*  
## Residuals 12.8638 204   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

## Anova Table (Type II tests)  
##   
## Response: sqrt(Aph.Tot.Sum)  
## Sum Sq Df F value Pr(>F)   
## DPR\_Label 383.63 10 21.1206 < 2e-16 \*\*\*  
## Leaf\_Location 8.29 1 4.5645 0.03383 \*   
## Residuals 370.54 204   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

## Anova Table (Type II tests)  
##   
## Response: sqrt(WF.Nym.Sum)  
## Sum Sq Df F value Pr(>F)   
## DPR\_Label 12.371 10 3.2703 0.0005028 \*\*\*  
## Block 7.526 3 6.6315 0.0002401 \*\*\*  
## Leaf\_Location 0.495 1 1.3091 0.2535066   
## Residuals 109.322 289   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

## Anova Table (Type II tests)  
##   
## Response: sqrt(WF.Ad.Sum)  
## Sum Sq Df F value Pr(>F)   
## DPR\_Label 1.104 10 0.6712 0.750990   
## Block 2.144 3 4.3463 0.005149 \*\*  
## Leaf\_Location 1.310 1 7.9626 0.005107 \*\*  
## Residuals 47.529 289   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

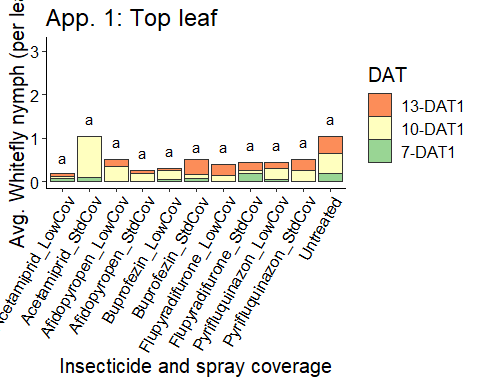
## Anova Table (Type II tests)  
##   
## Response: sqrt(Aph.Tot.Sum)  
## Sum Sq Df F value Pr(>F)   
## DPR\_Label 1860.25 10 42.2204 < 2e-16 \*\*\*  
## Block 39.63 3 2.9980 0.03104 \*   
## Leaf\_Location 8.30 1 1.8848 0.17085   
## Residuals 1273.35 289   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

# Summed whitefly nymphs App1: Top leaf

## Anova Table (Type II tests)  
##   
## Response: sqrt(WF.Nym.Sum)  
## Sum Sq Df F value Pr(>F)  
## DPR\_Label 1.2277 10 1.0435 0.4118  
## Residuals 13.7647 117

## DPR\_Label response SE df lower.CL upper.CL .group  
## Afidopyropen\_StdCov 0.0125 0.0221 117 0.00000 0.159 a   
## Acetamiprid\_LowCov 0.0180 0.0291 117 0.00000 0.201 a   
## Buprofezin\_LowCov 0.0222 0.0295 117 0.00000 0.190 a   
## Flupyradifurone\_LowCov 0.0331 0.0360 117 0.00000 0.219 a   
## Pyrifluquinazon\_LowCov 0.0456 0.0423 117 0.00000 0.250 a   
## Flupyradifurone\_StdCov 0.0456 0.0423 117 0.00000 0.250 a   
## Afidopyropen\_LowCov 0.0511 0.0448 117 0.00000 0.263 a   
## Buprofezin\_StdCov 0.0548 0.0508 117 0.00000 0.300 a   
## Pyrifluquinazon\_StdCov 0.0794 0.0558 117 0.00000 0.323 a   
## Acetamiprid\_StdCov 0.1198 0.0685 117 0.00355 0.400 a   
## Untreated 0.2163 0.0921 117 0.03188 0.565 a   
##   
## Confidence level used: 0.95   
## Conf-level adjustment: bonferroni method for 11 estimates   
## Intervals are back-transformed from the sqrt scale   
## Note: contrasts are still on the sqrt scale   
## P value adjustment: fdr method for 55 tests   
## significance level used: alpha = 0.05   
## NOTE: Compact letter displays can be misleading  
## because they show NON-findings rather than findings.  
## Consider using 'pairs()', 'pwpp()', or 'pwpm()' instead.

## Average whitefly nymphs, App1: Top leaf

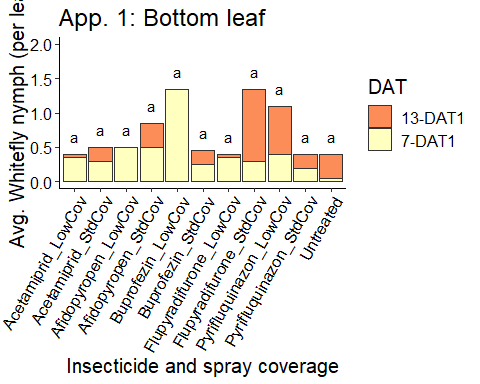


# Summed whitefly nymphs App1 bottom leaf

## Anova Table (Type II tests)  
##   
## Response: sqrt(WF.Nym.Sum)  
## Sum Sq Df F value Pr(>F)  
## DPR\_Label 1.1939 10 0.4834 0.896  
## Residuals 19.0163 77

## DPR\_Label response SE df lower.CL upper.CL .group  
## Flupyradifurone\_LowCov 0.0415 0.0716 77 0.000000 0.515 a   
## Afidopyropen\_LowCov 0.0500 0.0786 77 0.000000 0.544 a   
## Acetamiprid\_LowCov 0.0619 0.0874 77 0.000000 0.581 a   
## Pyrifluquinazon\_StdCov 0.0729 0.0948 77 0.000000 0.614 a   
## Buprofezin\_StdCov 0.0828 0.1011 77 0.000000 0.642 a   
## Untreated 0.0916 0.1064 77 0.000000 0.666 a   
## Acetamiprid\_StdCov 0.1113 0.1172 77 0.000000 0.718 a   
## Buprofezin\_LowCov 0.1671 0.1437 77 0.000000 0.851 a   
## Flupyradifurone\_StdCov 0.1998 0.1571 77 0.000000 0.923 a   
## Afidopyropen\_StdCov 0.2966 0.1914 77 0.000959 1.120 a   
## Pyrifluquinazon\_LowCov 0.2975 0.1917 77 0.001010 1.122 a   
##   
## Confidence level used: 0.95   
## Conf-level adjustment: bonferroni method for 11 estimates   
## Intervals are back-transformed from the sqrt scale   
## Note: contrasts are still on the sqrt scale   
## P value adjustment: fdr method for 55 tests   
## significance level used: alpha = 0.05   
## NOTE: Compact letter displays can be misleading  
## because they show NON-findings rather than findings.  
## Consider using 'pairs()', 'pwpp()', or 'pwpm()' instead.

## Average Whitefly Nymphs Bottom leaf

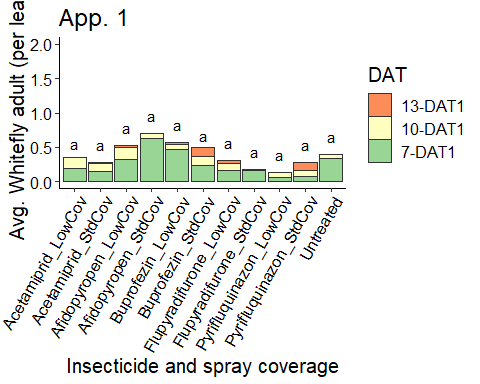


# Whitefly adults App1

## Anova Table (Type II tests)  
##   
## Response: sqrt(WF.Ad.Sum)  
## Sum Sq Df F value Pr(>F)  
## DPR\_Label 0.4697 10 0.5821 0.8258  
## Residuals 9.4409 117

## DPR\_Label response SE df lower.CL upper.CL .group  
## Pyrifluquinazon\_LowCov 0.0135 0.0191 117 0.00e+00 0.125 a   
## Flupyradifurone\_StdCov 0.0179 0.0219 117 0.00e+00 0.138 a   
## Pyrifluquinazon\_StdCov 0.0419 0.0336 117 0.00e+00 0.195 a   
## Afidopyropen\_StdCov 0.0452 0.0349 117 0.00e+00 0.202 a   
## Untreated 0.0503 0.0368 117 0.00e+00 0.213 a   
## Flupyradifurone\_LowCov 0.0517 0.0373 117 0.00e+00 0.216 a   
## Acetamiprid\_LowCov 0.0526 0.0412 117 0.00e+00 0.239 a   
## Acetamiprid\_StdCov 0.0576 0.0394 117 7.31e-06 0.228 a   
## Buprofezin\_LowCov 0.0800 0.0464 117 2.08e-03 0.271 a   
## Afidopyropen\_LowCov 0.0802 0.0465 117 2.11e-03 0.271 a   
## Buprofezin\_StdCov 0.1171 0.0615 117 6.77e-03 0.363 a   
##   
## Confidence level used: 0.95   
## Conf-level adjustment: bonferroni method for 11 estimates   
## Intervals are back-transformed from the sqrt scale   
## Note: contrasts are still on the sqrt scale   
## P value adjustment: fdr method for 55 tests   
## significance level used: alpha = 0.05   
## NOTE: Compact letter displays can be misleading  
## because they show NON-findings rather than findings.  
## Consider using 'pairs()', 'pwpp()', or 'pwpm()' instead.

# Whitefy adults: App1, only Top leaf

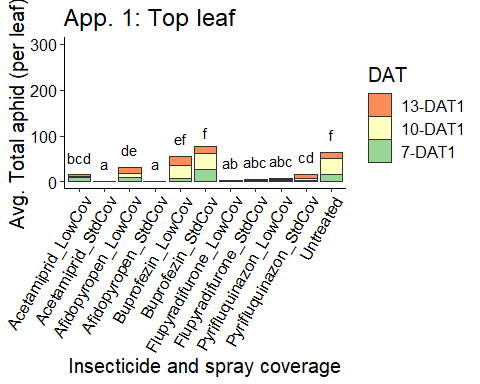


#Total Aphid App1, Top leaf

## Anova Table (Type II tests)  
##   
## Response: sqrt(Aph.Tot.Sum)  
## Sum Sq Df F value Pr(>F)   
## DPR\_Label 280.99 10 17.202 < 2.2e-16 \*\*\*  
## Residuals 191.12 117   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

## DPR\_Label response SE df lower.CL upper.CL .group   
## Afidopyropen\_StdCov 0.102 0.235 117 0.00000 1.92 a   
## Acetamiprid\_StdCov 0.150 0.286 117 0.00000 2.12 a   
## Flupyradifurone\_LowCov 0.844 0.678 117 0.00000 3.95 ab   
## Flupyradifurone\_StdCov 1.350 0.857 117 0.00892 4.97 abc   
## Pyrifluquinazon\_LowCov 2.086 1.066 117 0.14191 6.31 abc   
## Acetamiprid\_LowCov 2.981 1.396 117 0.31053 8.39 bcd   
## Pyrifluquinazon\_StdCov 4.315 1.533 117 1.01964 9.89 cd   
## Afidopyropen\_LowCov 7.983 2.085 117 3.08986 15.15 de   
## Buprofezin\_LowCov 14.883 2.847 117 7.78617 24.26 ef  
## Untreated 18.839 3.203 117 10.71173 29.25 f  
## Buprofezin\_StdCov 22.584 3.841 117 12.83680 35.07 f  
##   
## Confidence level used: 0.95   
## Conf-level adjustment: bonferroni method for 11 estimates   
## Intervals are back-transformed from the sqrt scale   
## Note: contrasts are still on the sqrt scale   
## P value adjustment: fdr method for 55 tests   
## significance level used: alpha = 0.05   
## NOTE: Compact letter displays can be misleading  
## because they show NON-findings rather than findings.  
## Consider using 'pairs()', 'pwpp()', or 'pwpm()' instead.

# Averageaphid, App1, Top leaf

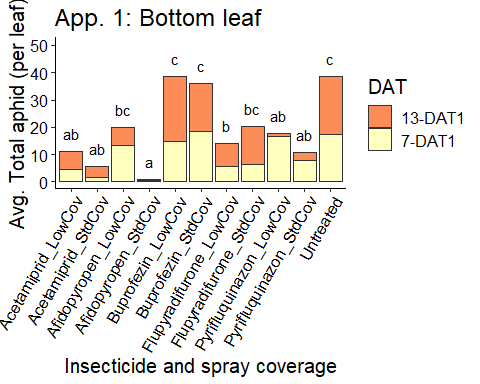


# Total Aphids App1: Bottom leaf

## Anova Table (Type II tests)  
##   
## Response: sqrt(Aph.Tot.Sum)  
## Sum Sq Df F value Pr(>F)   
## DPR\_Label 123.86 10 6.0279 1.073e-06 \*\*\*  
## Residuals 158.21 77   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

## DPR\_Label response SE df lower.CL upper.CL .group  
## Afidopyropen\_StdCov 0.125 0.358 77 0.000 3.37 a   
## Acetamiprid\_StdCov 1.955 1.417 77 0.000 8.29 ab   
## Acetamiprid\_LowCov 3.423 1.875 77 0.136 11.10 ab   
## Pyrifluquinazon\_StdCov 4.025 2.034 77 0.275 12.16 ab   
## Pyrifluquinazon\_LowCov 4.067 2.044 77 0.286 12.24 ab   
## Flupyradifurone\_LowCov 5.369 2.349 77 0.698 14.43 b   
## Flupyradifurone\_StdCov 7.112 2.703 77 1.405 17.21 bc   
## Afidopyropen\_LowCov 8.610 2.974 77 2.110 19.50 bc   
## Buprofezin\_StdCov 16.858 4.162 77 6.887 31.22 c   
## Untreated 17.792 4.275 77 7.488 32.48 c   
## Buprofezin\_LowCov 17.939 4.293 77 7.584 32.68 c   
##   
## Confidence level used: 0.95   
## Conf-level adjustment: bonferroni method for 11 estimates   
## Intervals are back-transformed from the sqrt scale   
## Note: contrasts are still on the sqrt scale   
## P value adjustment: fdr method for 55 tests   
## significance level used: alpha = 0.05   
## NOTE: Compact letter displays can be misleading  
## because they show NON-findings rather than findings.  
## Consider using 'pairs()', 'pwpp()', or 'pwpm()' instead.

# Average aphid, App1, Bottom leaf



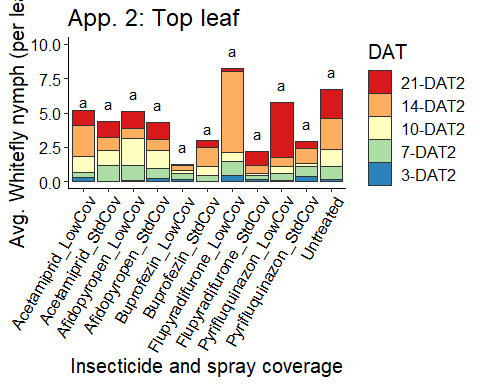
# Appliation 2

## Whitefly nymphs, App2: Top leaf

## Anova Table (Type II tests)  
##   
## Response: sqrt(WF.Nym.Sum)  
## Sum Sq Df F value Pr(>F)  
## DPR\_Label 5.541 10 1.3397 0.2112  
## Residuals 84.787 205

## DPR\_Label response SE df lower.CL upper.CL .group  
## Buprofezin\_LowCov 0.140 0.107 205 0.00000 0.618 a   
## Flupyradifurone\_StdCov 0.248 0.143 205 0.00731 0.829 a   
## Buprofezin\_StdCov 0.291 0.163 205 0.01084 0.949 a   
## Pyrifluquinazon\_StdCov 0.374 0.176 205 0.03972 1.050 a   
## Pyrifluquinazon\_LowCov 0.442 0.191 205 0.06349 1.160 a   
## Acetamiprid\_StdCov 0.513 0.206 205 0.09228 1.275 a   
## Afidopyropen\_StdCov 0.550 0.213 205 0.10827 1.332 a   
## Acetamiprid\_LowCov 0.669 0.248 205 0.14683 1.570 a   
## Afidopyropen\_LowCov 0.695 0.240 205 0.17711 1.553 a   
## Flupyradifurone\_LowCov 0.698 0.240 205 0.17873 1.557 a   
## Untreated 0.847 0.265 205 0.25787 1.777 a   
##   
## Confidence level used: 0.95   
## Conf-level adjustment: bonferroni method for 11 estimates   
## Intervals are back-transformed from the sqrt scale   
## Note: contrasts are still on the sqrt scale   
## P value adjustment: fdr method for 55 tests   
## significance level used: alpha = 0.05   
## NOTE: Compact letter displays can be misleading  
## because they show NON-findings rather than findings.  
## Consider using 'pairs()', 'pwpp()', or 'pwpm()' instead.

# Average Whitefly nymphs App2: Top leaf



# Whitefly nymphs App2: Bottom leaf

## Anova Table (Type II tests)  
##   
## Response: sqrt(WF.Nym.Sum)  
## Sum Sq Df F value Pr(>F)   
## DPR\_Label 9.6523 10 2.575 0.009605 \*\*  
## Residuals 28.8630 77   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

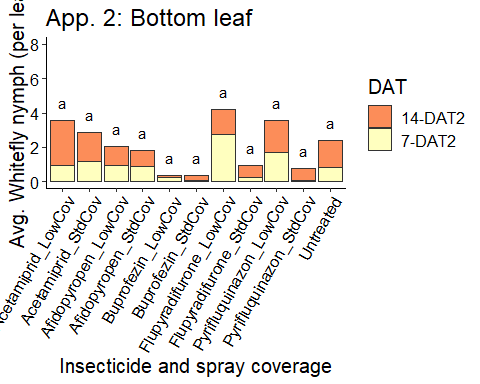
## DPR\_Label response SE df lower.CL upper.CL .group  
## Buprofezin\_StdCov 0.0609 0.107 77 0.00000 0.774 a   
## Buprofezin\_LowCov 0.1027 0.139 77 0.00000 0.909 a   
## Pyrifluquinazon\_StdCov 0.2537 0.218 77 0.00000 1.292 a   
## Flupyradifurone\_StdCov 0.2772 0.228 77 0.00000 1.344 a   
## Afidopyropen\_StdCov 0.4361 0.286 77 0.00076 1.672 a   
## Afidopyropen\_LowCov 0.6757 0.356 77 0.03580 2.116 a   
## Untreated 0.9290 0.417 77 0.10959 2.549 a   
## Acetamiprid\_StdCov 1.0355 0.441 77 0.14807 2.724 a   
## Pyrifluquinazon\_LowCov 1.0660 0.447 77 0.15976 2.773 a   
## Acetamiprid\_LowCov 1.3879 0.510 77 0.29738 3.279 a   
## Flupyradifurone\_LowCov 1.6176 0.551 77 0.40841 3.628 a   
##   
## Confidence level used: 0.95   
## Conf-level adjustment: bonferroni method for 11 estimates   
## Intervals are back-transformed from the sqrt scale   
## Note: contrasts are still on the sqrt scale   
## P value adjustment: fdr method for 55 tests   
## significance level used: alpha = 0.05   
## NOTE: Compact letter displays can be misleading  
## because they show NON-findings rather than findings.  
## Consider using 'pairs()', 'pwpp()', or 'pwpm()' instead.

# Back transform to address the “Issue: Note: Use ‘contrast(regrid(object), …)’ to obtain contrasts of back-transformed estimates”

## Anova Table (Type II tests)  
##   
## Response: sqrt(WF.Nym.Sum)  
## Sum Sq Df F value Pr(>F)   
## DPR\_Label 9.6523 10 2.575 0.009605 \*\*  
## Residuals 28.8630 77   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

## DPR\_Label response SE df lower.CL upper.CL .group  
## Buprofezin\_StdCov 0.0609 0.107 77 -0.25140 0.373 a   
## Buprofezin\_LowCov 0.1027 0.139 77 -0.30285 0.508 a   
## Pyrifluquinazon\_StdCov 0.2537 0.218 77 -0.38375 0.891 a   
## Flupyradifurone\_StdCov 0.2772 0.228 77 -0.38911 0.943 a   
## Afidopyropen\_StdCov 0.4361 0.286 77 -0.39966 1.272 a   
## Afidopyropen\_LowCov 0.6757 0.356 77 -0.36462 1.716 a   
## Untreated 0.9290 0.417 77 -0.29083 2.149 a   
## Acetamiprid\_StdCov 1.0355 0.441 77 -0.25234 2.323 a   
## Pyrifluquinazon\_LowCov 1.0660 0.447 77 -0.24066 2.373 a   
## Acetamiprid\_LowCov 1.3879 0.510 77 -0.10303 2.879 a   
## Flupyradifurone\_LowCov 1.6176 0.551 77 0.00799 3.227 a   
##   
## Confidence level used: 0.95   
## Conf-level adjustment: bonferroni method for 11 estimates   
## P value adjustment: fdr method for 55 tests   
## significance level used: alpha = 0.05   
## NOTE: Compact letter displays can be misleading  
## because they show NON-findings rather than findings.  
## Consider using 'pairs()', 'pwpp()', or 'pwpm()' instead.

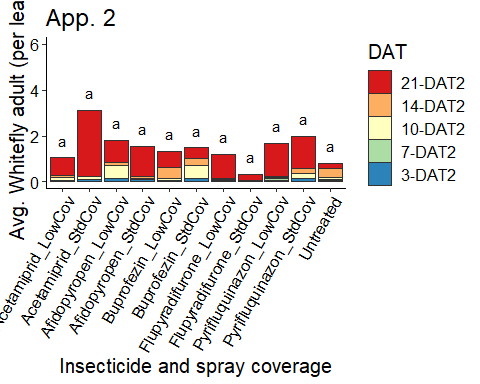
# Average whitefly nymphs App2: Bottom leaf



# Whitefly adults App2

## Anova Table (Type II tests)  
##   
## Response: sqrt(WF.Ad.Sum)  
## Sum Sq Df F value Pr(>F)  
## DPR\_Label 1.104 10 0.5031 0.8867  
## Residuals 44.977 205

## DPR\_Label response SE df lower.CL upper.CL .group  
## Flupyradifurone\_StdCov 0.0150 0.0256 205 0.00e+00 0.179 a   
## Flupyradifurone\_LowCov 0.0499 0.0468 205 0.00e+00 0.274 a   
## Untreated 0.0759 0.0577 205 0.00e+00 0.332 a   
## Pyrifluquinazon\_LowCov 0.0850 0.0611 205 0.00e+00 0.350 a   
## Acetamiprid\_LowCov 0.0902 0.0663 205 0.00e+00 0.381 a   
## Afidopyropen\_StdCov 0.0908 0.0631 205 6.13e-07 0.362 a   
## Acetamiprid\_StdCov 0.0909 0.0632 205 1.01e-06 0.362 a   
## Afidopyropen\_LowCov 0.1123 0.0702 205 1.20e-03 0.404 a   
## Buprofezin\_LowCov 0.1153 0.0711 205 1.53e-03 0.410 a   
## Buprofezin\_StdCov 0.1320 0.0802 205 2.16e-03 0.462 a   
## Pyrifluquinazon\_StdCov 0.1636 0.0847 205 1.08e-02 0.497 a   
##   
## Confidence level used: 0.95   
## Conf-level adjustment: bonferroni method for 11 estimates   
## Intervals are back-transformed from the sqrt scale   
## Note: contrasts are still on the sqrt scale   
## P value adjustment: fdr method for 55 tests   
## significance level used: alpha = 0.05   
## NOTE: Compact letter displays can be misleading  
## because they show NON-findings rather than findings.  
## Consider using 'pairs()', 'pwpp()', or 'pwpm()' instead.

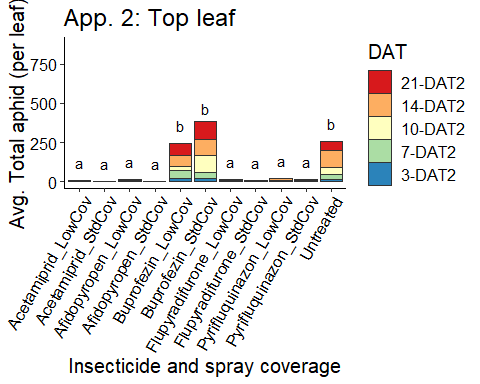


# Total Aphid App2: Top leaf

## Anova Table (Type II tests)  
##   
## Response: sqrt(Aph.Tot.Sum)  
## Sum Sq Df F value Pr(>F)   
## DPR\_Label 280.99 10 17.202 < 2.2e-16 \*\*\*  
## Residuals 191.12 117   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

## DPR\_Label response SE df lower.CL upper.CL .group  
## Afidopyropen\_StdCov 0.218 0.463 205 0.00000 3.57 a   
## Acetamiprid\_StdCov 0.317 0.559 205 0.00000 3.95 a   
## Acetamiprid\_LowCov 0.956 1.023 205 0.00000 6.14 a   
## Flupyradifurone\_StdCov 1.128 1.054 205 0.00000 6.18 a   
## Afidopyropen\_LowCov 1.680 1.286 205 0.00000 7.40 a   
## Pyrifluquinazon\_StdCov 2.063 1.425 205 0.00016 8.18 a   
## Pyrifluquinazon\_LowCov 2.138 1.451 205 0.00149 8.33 a   
## Flupyradifurone\_LowCov 2.151 1.455 205 0.00183 8.35 a   
## Buprofezin\_LowCov 36.644 6.007 205 21.43422 55.91 b   
## Untreated 39.641 6.248 205 23.74007 59.59 b   
## Buprofezin\_StdCov 55.189 7.771 205 35.14362 79.74 b   
##   
## Confidence level used: 0.95   
## Conf-level adjustment: bonferroni method for 11 estimates   
## Intervals are back-transformed from the sqrt scale   
## Note: contrasts are still on the sqrt scale   
## P value adjustment: fdr method for 55 tests   
## significance level used: alpha = 0.05   
## NOTE: Compact letter displays can be misleading  
## because they show NON-findings rather than findings.  
## Consider using 'pairs()', 'pwpp()', or 'pwpm()' instead.

# Average Total aphid App2: Top leaf

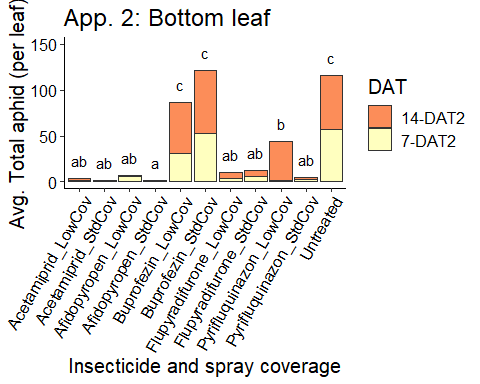


# Total aphid App2: Bottom leaf

## Anova Table (Type II tests)  
##   
## Response: sqrt(Aph.Tot.Sum)  
## Sum Sq Df F value Pr(>F)   
## DPR\_Label 575.21 10 15.563 8.08e-15 \*\*\*  
## Residuals 284.60 77   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

## DPR\_Label response SE df lower.CL upper.CL .group  
## Afidopyropen\_StdCov 0.325 0.775 77 0.0000 6.54 a   
## Acetamiprid\_StdCov 0.389 0.848 77 0.0000 6.82 ab   
## Afidopyropen\_LowCov 0.893 1.285 77 0.0000 8.60 ab   
## Acetamiprid\_LowCov 1.514 1.673 77 0.0000 10.35 ab   
## Pyrifluquinazon\_StdCov 1.714 1.780 77 0.0000 10.86 ab   
## Flupyradifurone\_LowCov 3.866 2.673 77 0.0000 15.63 ab   
## Flupyradifurone\_StdCov 4.622 2.923 77 0.0265 17.11 ab   
## Pyrifluquinazon\_LowCov 7.966 3.837 77 0.6980 23.13 b   
## Buprofezin\_LowCov 36.141 8.173 77 16.1986 63.98 c   
## Untreated 55.010 10.083 77 29.4831 88.43 c   
## Buprofezin\_StdCov 55.434 10.121 77 29.7938 88.97 c   
##   
## Confidence level used: 0.95   
## Conf-level adjustment: bonferroni method for 11 estimates   
## Intervals are back-transformed from the sqrt scale   
## Note: contrasts are still on the sqrt scale   
## P value adjustment: fdr method for 55 tests   
## significance level used: alpha = 0.05   
## NOTE: Compact letter displays can be misleading  
## because they show NON-findings rather than findings.  
## Consider using 'pairs()', 'pwpp()', or 'pwpm()' instead.

# Total aphid App2: Bottom leaf



## # A tibble: 5 x 2  
## DAT sum  
## <ord> <dbl>  
## 1 3-DAT2 23.8  
## 2 7-DAT2 33.7  
## 3 10-DAT2 112.   
## 4 14-DAT2 98.5  
## 5 21-DAT2 116.