Mdeffect = the % of the untreated control population as affected by MD

Ceeffectnmd= combined effect of the 3 pesticide treatments not considering MD

Ceffectmd – combined effect of the 3 pesticide treatments not considering MD

Duration – average duration of the first generation covered by 3 pesticide sprays

Maxdd – DD accumulated by jd=275, totdd – DD accumulated by end of year

**East Oroville - Time period =historical**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

Historical mdeffect | 270 24.21 44.49 63.77 7.715 10.74

ceffectnmd | 270 13.26 17.58 35.03 3.1 3.252

ceffectmd | 270 3.534 7.692 20.83 2.307 2.708

duration | 270 .6895 .9232 .9963 .05128 .06437

maxdd | 270 1808 2467 3258 247.6 347

totdd | 270 1871 2566 3338 258.1 361

-------------------------------------------------------------------------------------

**East Oroville - Time period =2040**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 11.51 32.66 53.12 7.425 9.989

ceffectnmd | 310 13.1 15.87 27.89 2.124 2.122

ceffectmd | 310 1.73 5.172 11.61 1.415 1.692

duration | 310 .7601 .9381 .9963 .03886 .04214

maxdd | 310 2184 2967 3943 321.2 437

totdd | 310 2237 3102 4087 336.8 457

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 10.17 29.55 50.52 7.874 10.37

ceffectnmd | 310 12.58 15.8 25.64 2.199 2.157

ceffectmd | 310 1.262 4.635 10.07 1.441 1.903

duration | 310 .7902 .94 1.004 .04016 .04461

maxdd | 310 2257 3114 4312 337.7 411

totdd | 310 2352 3265 4652 359.2 443

-------------------------------------------------------------------------------------

**East Oroville - Time period =2060**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 9.766 28.74 50.65 8.168 11.12

ceffectnmd | 310 12.59 15.86 31.46 2.504 2.228

ceffectmd | 310 1.383 4.515 11.58 1.532 2.063

duration | 310 .6937 .9387 1.015 .04247 .03855

maxdd | 310 2237 3181 4163 358.4 480

totdd | 310 2329 3333 4296 378.8 519

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 7.124 21.92 47.18 7.435 10.12

ceffectnmd | 310 12.58 15.27 24.46 2.028 2.276

ceffectmd | 310 1.026 3.37 8.153 1.275 1.742

duration | 310 .7961 .9476 1.012 .0364 .03783

maxdd | 310 2546 3510 4568 402.1 573

totdd | 310 2736 3703 4842 441.4 620

-------------------------------------------------------------------------------------

**East Oroville - Time period =2080**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 9.766 26.93 50.68 7.802 11.56

ceffectnmd | 310 12.51 15.95 31.46 2.563 2.265

ceffectmd | 310 1.383 4.24 10.29 1.398 1.962

duration | 310 .6937 .9372 1.008 .04357 .04058

maxdd | 310 2265 3278 4163 360.2 519

totdd | 310 2374 3440 4297 377.9 521

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 3.863 16.16 38.71 6.426 9.157

ceffectnmd | 310 12.17 15.05 25.08 2.055 2.355

ceffectmd | 310 .5738 2.439 6.106 1.028 1.408

duration | 310 .7678 .9482 1.012 .03743 .03803

maxdd | 310 2872 3898 5195 436 588

totdd | 310 3016 4134 5575 484.7 671

-------------------------------------------------------------------------------------

**Quincy - Time period =historical**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

Historical mdeffect | 270 16.98 35.87 57.19 7.915 10.24

ceffectnmd | 270 13.01 16.89 34.8 3.348 3.509

ceffectmd | 270 2.613 6.095 14.15 2.057 2.176

duration | 270 .6681 .9252 .9976 .05773 .05988

maxdd | 270 2043 2877 3771 278.5 396

totdd | 270 2142 3027 3901 292.3 420

-------------------------------------------------------------------------------------

**Quincy - Time period =2040**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 8.471 26.6 48.37 7.019 9.093

ceffectnmd | 310 12.65 16.31 30.01 2.859 2.946

ceffectmd | 310 1.078 4.297 9.826 1.422 1.593

duration | 310 .7249 .9322 1.002 .04719 .05035

maxdd | 310 2502 3363 4381 323 431

totdd | 310 2691 3558 4528 344.6 474

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 5.862 23.7 42.58 7.198 9.838

ceffectnmd | 310 12.35 16.01 34.45 2.744 2.79

ceffectmd | 310 .7517 3.767 10.07 1.372 1.892

duration | 310 .6834 .9373 1.009 .04553 .05029

maxdd | 310 2530 3501 4773 336.4 430

totdd | 310 2696 3718 5233 363.3 470

-------------------------------------------------------------------------------------

**Quincy - Time period =2060**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 8.335 22.75 48.78 7.43 10.03

ceffectnmd | 310 12.47 16.12 30.01 2.661 3.168

ceffectmd | 310 1.078 3.612 11.06 1.426 1.717

duration | 310 .7249 .9337 .9936 .04397 .05538

maxdd | 310 2625 3577 4574 359.1 489

totdd | 310 2774 3797 4763 384.7 539

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 5.862 17.69 43.75 6.978 9.915

ceffectnmd | 310 12.27 15.46 27.77 2.299 2.339

ceffectmd | 310 .7517 2.745 7.945 1.21 1.554

duration | 310 .7398 .9416 1.008 .04051 .04189

maxdd | 310 2912 3886 4882 391 556

totdd | 310 3196 4157 5249 437.4 624

-------------------------------------------------------------------------------------

**Quincy - Time period =2080**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 8.335 21.51 44.44 7.077 10.47

ceffectnmd | 310 12.38 15.98 28.16 2.393 3.01

ceffectmd | 310 1.138 3.398 11.06 1.31 1.692

duration | 310 .7379 .9353 1.015 .04058 .0482

maxdd | 310 2682 3668 4574 354.6 513

totdd | 310 2855 3902 4771 378.2 561

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 3.804 12.93 37.57 5.73 7.159

ceffectnmd | 310 12.02 15.45 27.08 2.63 2.781

ceffectmd | 310 .5724 1.997 5.892 .9429 1.113

duration | 310 .7451 .9356 1.013 .04654 .05029

maxdd | 310 3260 4258 5426 410.6 546

totdd | 310 3553 4584 5899 467.6 646

-------------------------------------------------------------------------------------

**Richland - Time period =historical**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

Historical mdeffect | 270 15.77 34.76 57 7.584 8.778

ceffectnmd | 270 13.06 17.29 46.78 3.913 3.484

ceffectmd | 270 2.613 6.038 15.25 2.094 2.307

duration | 270 .5601 .9159 .992 .06174 .06429

maxdd | 270 2210 3016 3942 280.6 391

totdd | 270 2332 3211 4107 296.6 412

-------------------------------------------------------------------------------------

**Richland - Time period =2040**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 7.137 25.57 48.85 7.126 10.1

ceffectnmd | 310 12.58 17.5 35.23 3.69 4.418

ceffectmd | 310 .9443 4.346 11.1 1.588 1.756

duration | 310 .66 .9117 .9933 .05816 .07445

maxdd | 310 2682 3519 4512 322 422

totdd | 310 2946 3774 4795 348.9 467

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 4.673 22.66 39.58 7.188 10.17

ceffectnmd | 310 12.35 16.84 37.43 3.677 3.648

ceffectmd | 310 .6808 3.744 10.53 1.463 2.012

duration | 310 .6542 .9215 1.003 .05815 .06663

maxdd | 310 2706 3655 4949 339.3 433

totdd | 310 2903 3936 5514 373.7 521

-------------------------------------------------------------------------------------

**Richland - Time period =2060**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 7.137 21.51 46.86 7.499 10.56

ceffectnmd | 310 12.47 17.02 39.21 3.604 4.031

ceffectmd | 310 .9443 3.602 11.06 1.629 1.956

duration | 310 .6142 .9161 .9948 .05558 .06882

maxdd | 310 2811 3736 4796 359.7 492

totdd | 310 2962 4023 5043 391.3 553

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 4.673 16.84 39.43 7.041 9.773

ceffectnmd | 310 12.35 16.37 33.02 3.034 3.421

ceffectmd | 310 .6808 2.707 6.874 1.22 1.629

duration | 310 .6542 .9214 1.005 .05248 .06325

maxdd | 310 3193 4052 5116 392.3 570

totdd | 310 3532 4404 5549 447.4 646

-------------------------------------------------------------------------------------

**Richland - Time period =2080**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 8.32 20.29 42.37 6.946 10.6

ceffectnmd | 310 12.28 16.8 33.57 3.235 3.795

ceffectmd | 310 1.094 3.345 9.336 1.387 1.727

duration | 310 .7069 .9181 1.004 .05192 .06516

maxdd | 310 2862 3828 4796 355.2 508

totdd | 310 3114 4135 5043 384 586

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 3.415 12.08 38.81 5.503 6.116

ceffectnmd | 310 12.35 16.96 32.6 3.628 4.661

ceffectmd | 310 .5786 1.995 5.361 .9539 1.132

duration | 310 .6696 .9041 1.005 .06211 .08344

maxdd | 310 3447 4444 5620 417.9 576

totdd | 310 3781 4866 6178 485 666

-------------------------------------------------------------------------------------

**Wapato - Time period =historical**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

Historical mdeffect | 270 17.3 33.61 56.66 7.29 9.573

ceffectnmd | 270 13.11 16.72 43.71 3.477 3.112

ceffectmd | 270 2.761 5.64 14.04 1.812 2.018

duration | 270 .5796 .9248 .9923 .05576 .05969

maxdd | 270 2206 3049 3932 275.1 375

totdd | 270 2329 3247 4102 291.8 402

-------------------------------------------------------------------------------------

**Wapato - Time period =2040**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 6.912 24.99 48.25 6.764 9.516

ceffectnmd | 310 12.79 16.86 34.57 3.114 3.593

ceffectmd | 310 .9913 4.11 9.121 1.382 1.626

duration | 310 .6817 .9223 1.006 .04943 .05961

maxdd | 310 2731 3520 4522 309 404

totdd | 310 2945 3771 4721 335.2 425

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 5.1 22.2 38.48 6.847 9.252

ceffectnmd | 310 12.54 16.2 35.63 3.009 2.86

ceffectmd | 310 .6613 3.55 9.773 1.294 1.76

duration | 310 .6669 .9321 1.004 .04949 .05683

maxdd | 310 2749 3652 4896 325.9 420

totdd | 310 2947 3927 5438 357 480

-------------------------------------------------------------------------------------

**Wapato - Time period =2060**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 6.912 21.09 46.86 7.134 10.21

ceffectnmd | 310 12.76 16.45 34.57 2.982 3.23

ceffectmd | 310 .9913 3.417 9.027 1.423 1.838

duration | 310 .6817 .9259 .999 .04758 .05668

maxdd | 310 2813 3729 4677 347.4 481

totdd | 310 2986 4008 4936 377.1 532

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 5.1 16.7 41.27 6.849 9.488

ceffectnmd | 310 12.54 15.83 31.7 2.63 2.651

ceffectmd | 310 .6613 2.615 7.223 1.15 1.454

duration | 310 .6669 .9317 .9975 .0465 .0555

maxdd | 310 3099 4025 4982 384.1 540

totdd | 310 3458 4361 5508 435.5 635

-------------------------------------------------------------------------------------

**Wapato - Time period =2080**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 8.033 19.84 41.29 6.697 10.42

ceffectnmd | 310 12.39 16.26 30.86 2.945 3.334

ceffectmd | 310 1.171 3.171 8.347 1.282 1.598

duration | 310 .7021 .9278 1.001 .04858 .05906

maxdd | 310 2900 3821 4677 343.9 508

totdd | 310 3140 4118 4960 371 566

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 3.933 12.14 37.16 5.4 5.923

ceffectnmd | 310 12.17 16.2 32.04 3.011 3.466

ceffectmd | 310 .5983 1.94 6.082 .9068 1.057

duration | 310 .6783 .9185 .9967 .05301 .06886

maxdd | 310 3396 4393 5478 406.6 556

totdd | 310 3733 4790 6002 466.6 643

-------------------------------------------------------------------------------------

**Wenatchee - Time period =historical**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

Historical mdeffect | 270 15.75 32.23 52.55 7.168 9.289

ceffectnmd | 270 13.16 16.23 34.55 2.969 2.746

ceffectmd | 270 2.414 5.271 10.7 1.612 1.815

duration | 270 .676 .9336 .9949 .04972 .0509

maxdd | 270 2196 3040 3895 276.1 386

totdd | 270 2301 3202 4041 291.8 398

-------------------------------------------------------------------------------------

**Wenatchee - Time period =2040**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 6.472 23.37 45.19 6.513 9.127

ceffectnmd | 310 12.57 15.79 30.38 2.513 2.386

ceffectmd | 310 .8534 3.672 8.067 1.209 1.56

duration | 310 .7475 .9406 1.004 .04112 .04252

maxdd | 310 2693 3529 4526 320.5 396

totdd | 310 2856 3740 4742 345 440

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 4.918 20.55 38.29 6.573 9.367

ceffectnmd | 310 12.32 15.55 37.71 2.503 2.367

ceffectmd | 310 .6377 3.186 9.756 1.17 1.652

duration | 310 .6469 .9434 1.003 .04116 .04026

maxdd | 310 2689 3669 4898 334.7 433

totdd | 310 2862 3901 5385 364.1 485

-------------------------------------------------------------------------------------

**Wenatchee - Time period =2060**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 6.472 19.6 45.21 6.776 10.12

ceffectnmd | 310 12.56 15.6 29.42 2.343 2.622

ceffectmd | 310 .8534 3.059 8.87 1.244 1.648

duration | 310 .7475 .9408 1.003 .03934 .05052

maxdd | 310 2752 3745 4702 357.3 500

totdd | 310 2942 3980 4917 385.1 538

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 4.918 15.26 40.62 6.308 9.123

ceffectnmd | 310 12.32 14.99 25.09 2.034 2.358

ceffectmd | 310 .6377 2.302 6.79 1.019 1.409

duration | 310 .7656 .947 1.014 .03671 .04295

maxdd | 310 3054 4051 5038 392.4 552

totdd | 310 3344 4338 5520 442.7 605

-------------------------------------------------------------------------------------

**Wenatchee - Time period =2080**

scenario variable | N min mean max sd iqr

------------------------+------------------------------------------------------------

RCP4.5 mdeffect | 310 7.227 18.42 38.2 6.388 9.661

ceffectnmd | 310 12.33 15.34 25.91 2.043 2.663

ceffectmd | 310 1.056 2.819 8.87 1.101 1.639

duration | 310 .7785 .9436 1.007 .03677 .04981

maxdd | 310 2849 3838 4702 352.4 516

totdd | 310 3034 4088 4969 377 548

------------------------+------------------------------------------------------------

RCP8.5 mdeffect | 310 3.336 11 31.83 4.912 5.352

ceffectnmd | 310 12.12 14.96 24.62 2.209 2.547

ceffectmd | 310 .477 1.662 4.615 .7616 .8509

duration | 310 .7767 .9419 1.014 .04054 .04671

maxdd | 310 3420 4420 5569 412 518

totdd | 310 3682 4764 6063 471.6 655

-------------------------------------------------------------------------------------