

SUPPLEMENTAL MATERIAL

Table S1. Annual average number of PRISM derived temperature threshold exceedances, May-September, 2011-2020

| County | 80°F (26.7°C) | 85°F (29.4°C) | 89°F (31.7°C) | 90°F (32.2°C) | 95°F (35.0°C) |
|---------------------|---------------|---------------|---------------|---------------|---------------|
| Benton | 92.6 | 64.0 | 42.8 | 37.8 | 16.7 |
| Franklin | 91.4 | 63.7 | 41.2 | 35.7 | 15.9 |
| Walla Walla | 86.8 | 60.7 | 39.5 | 34.3 | 14.4 |
| Grant | 83.9 | 56.2 | 35.0 | 30.0 | 12.7 |
| Adams | 80.5 | 53.8 | 32.5 | 29.1 | 12.5 |
| Whitman | 70.5 | 48.0 | 29.2 | 25.0 | 10.0 |
| Lincoln | 69.7 | 43.0 | 25.9 | 22.9 | 7.3 |
| Douglas | 68.2 | 41.8 | 25.5 | 21.3 | 6.7 |
| Spokane | 63.6 | 38.5 | 22.4 | 19.5 | 4.7 |
| Asotin | 63.4 | 41.9 | 23.8 | 20.8 | 5.0 |
| Garfield | 63.0 | 40.2 | 23.0 | 19.2 | 5.0 |
| Klickitat | 60.4 | 34.4 | 20.2 | 17.2 | 5.1 |
| Columbia | 59.3 | 34.4 | 19.2 | 16.2 | 3.7 |
| Stevens | 58.1 | 34.7 | 18.7 | 15.2 | 3.4 |
| Ferry | 48.6 | 25.6 | 11.6 | 8.6 | 1.3 |
| Yakima | 47.3 | 23.6 | 11.2 | 8.5 | 0.6 |
| Clark | 45.2 | 24.2 | 10.8 | 8.7 | 2.2 |
| Pend Oreille | 41.9 | 20.5 | 7.8 | 5.4 | 0.6 |
| Thurston | 36.8 | 18.5 | 7.6 | 5.7 | 1.1 |
| Kittitas | 34.7 | 15.8 | 5.8 | 4.6 | 0.1 |
| Cowlitz | 34.1 | 15.3 | 6.8 | 5.5 | 0.7 |
| Lewis | 33.3 | 14.7 | 6.2 | 5.0 | 0.6 |
| Okanogan | 31.5 | 13.7 | 4.3 | 2.9 | 0.1 |
| Mason | 27.2 | 11.1 | 4.0 | 2.8 | 0.2 |
| Skamania | 26.8 | 11.3 | 3.5 | 3.0 | 0 |
| Kitsap | 26.7 | 9.7 | 3.1 | 2.0 | 0.1 |
| Chelan | 24.3 | 9.5 | 2.5 | 1.1 | 0 |
| Wahkiakum | 20.1 | 8.1 | 3.8 | 2.7 | 0.4 |
| King | 19.6 | 6.0 | 1.4 | 0.8 | 0 |

| | | | | | |
|--|------|------|------|------|-----|
| Pierce | 18.9 | 5.7 | 1.3 | 0.8 | 0 |
| Grays Harbor | 16.2 | 6.2 | 2.3 | 1.6 | 0.1 |
| Snohomish | 15.9 | 4.3 | 0.4 | 0.2 | 0 |
| Pacific | 14.3 | 5.7 | 2.3 | 1.7 | 0.1 |
| Skagit | 13.3 | 2.6 | 0.1 | 0.1 | 0 |
| Jefferson | 10.0 | 2.6 | 0.4 | 0 | 0 |
| Whatcom | 10.0 | 1.4 | 0 | 0 | 0 |
| Clallam | 8.1 | 2.2 | 0 | 0 | 0 |
| Island | 5.2 | 0.3 | 0 | 0 | 0 |
| San Juan | 4.9 | 0.1 | 0 | 0 | 0 |
| Median (All counties) | 34.7 | 15.8 | 6.8 | 5.4 | 0.6 |
| Standard Deviation (All counties) | 26.4 | 19.8 | 13.2 | 11.7 | 5.0 |

Table S2. Annual average number of PRISM derived temperature threshold exceedances, October-April, 2011-2020

| County | 80°F (26.7°C) | 85°F (29.4°C) | 89°F (31.7°C) | 90°F (32.2°C) | 95°F (35.0°C) |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Franklin | 2.1 | 0.6 | 0 | 0 | 0 |
| Benton | 2.0 | 0.4 | 0 | 0 | 0 |
| Walla Walla | 1.6 | 0.3 | 0 | 0 | 0 |
| Grant | 1.5 | 0.2 | 0 | 0 | 0 |
| Clark | 1.4 | 0.2 | 0 | 0 | 0 |
| Adams | 1.3 | 0.1 | 0 | 0 | 0 |
| Whitman | 1.3 | 0 | 0 | 0 | 0 |
| Asotin | 0.8 | 0.1 | 0 | 0 | 0 |
| Lincoln | 0.8 | 0 | 0 | 0 | 0 |
| Garfield | 0.7 | 0 | 0 | 0 | 0 |
| Klickitat | 0.7 | 0 | 0 | 0 | 0 |
| Spokane | 0.7 | 0 | 0 | 0 | 0 |
| Columbia | 0.5 | 0 | 0 | 0 | 0 |
| Douglas | 0.5 | 0 | 0 | 0 | 0 |

| | | | | | |
|---------------------|-----|-----|---|---|---|
| Thurston | 0.5 | 0.1 | 0 | 0 | 0 |
| Wahkiakum | 0.5 | 0.2 | 0 | 0 | 0 |
| Lewis | 0.4 | 0 | 0 | 0 | 0 |
| Cowlitz | 0.3 | 0 | 0 | 0 | 0 |
| Grays Harbor | 0.3 | 0 | 0 | 0 | 0 |
| Kitsap | 0.3 | 0.1 | 0 | 0 | 0 |
| Mason | 0.3 | 0 | 0 | 0 | 0 |
| Pacific | 0.3 | 0 | 0 | 0 | 0 |
| Stevens | 0.3 | 0 | 0 | 0 | 0 |
| Yakima | 0.2 | 0 | 0 | 0 | 0 |
| King | 0.1 | 0 | 0 | 0 | 0 |
| Pierce | 0.1 | 0 | 0 | 0 | 0 |
| Chelan | 0 | 0 | 0 | 0 | 0 |
| Clallam | 0 | 0 | 0 | 0 | 0 |
| Ferry | 0 | 0 | 0 | 0 | 0 |
| Island | 0 | 0 | 0 | 0 | 0 |
| Jefferson | 0 | 0 | 0 | 0 | 0 |
| Kittitas | 0 | 0 | 0 | 0 | 0 |
| Okanogan | 0 | 0 | 0 | 0 | 0 |
| Pend Oreille | 0 | 0 | 0 | 0 | 0 |
| San Juan | 0 | 0 | 0 | 0 | 0 |
| Skagit | 0 | 0 | 0 | 0 | 0 |
| Skamania | 0 | 0 | 0 | 0 | 0 |
| Snohomish | 0 | 0 | 0 | 0 | 0 |
| Whatcom | 0 | 0 | 0 | 0 | 0 |

Table S3. Annual average monthly employment (BLS), May-September, 2011-2020

| County | Total | County | Construction | County | Crop and crop support |
|---------------|--------------|------------------|---------------------|---------------|------------------------------|
| King | 62800 | King | 62147 | Yakima | 33012 |
| Yakima | 35228 | Pierce | 18695 | Chelan | 12145 |
| Pierce | 19011 | Snohomish | 17526 | Grant | 10223 |

| | | | | | |
|---------------------|-------|---------------------|-------|---------------------|------|
| Snohomish | 18228 | Clark | 10642 | Franklin | 7254 |
| Chelan | 13232 | Spokane | 9151 | Benton | 6214 |
| Grant | 11109 | Whatcom | 3913 | Okanogan | 6104 |
| Clark | 10886 | Benton | 3346 | Douglas | 3508 |
| Spokane | 10009 | Thurston | 3299 | Whatcom | 3127 |
| Benton | 9560 | Skagit | 2829 | Adams | 2494 |
| Franklin | 8201 | Kitsap | 2801 | Walla Walla | 2007 |
| Whatcom | 7040 | Yakima | 2216 | Skagit | 1770 |
| Okanogan | 6463 | Chelan | 1087 | Spokane | 858 |
| Skagit | 4600 | Cowlitz | 985 | Snohomish | 702 |
| Douglas | 3829 | Franklin | 948 | King | 653 |
| Thurston | 3502 | Grant | 886 | Klickitat | 566 |
| Kitsap | 2857 | Lewis | 839 | Whitman | 386 |
| Adams | 2527 | Clallam | 762 | Pierce | 315 |
| Walla Walla | 2357 | Grays Harbor | 679 | Kittitas | 258 |
| Cowlitz | 1159 | Kittitas | 570 | Clark | 244 |
| Lewis | 1025 | Island | 560 | Thurston | 203 |
| Kittitas | 828 | San Juan | 539 | Lincoln | 196 |
| Clallam | 806 | Okanogan | 360 | Lewis | 186 |
| Klickitat | 725 | Walla Walla | 350 | Cowlitz | 174 |
| Grays Harbor | 693 | Mason | 322 | Columbia | 107 |
| Island | 564 | Douglas | 320 | Kitsap | 56 |
| San Juan | 556 | Jefferson | 315 | Mason | 49 |
| Whitman | 548 | Asotin | 240 | Garfield | 44 |
| Mason | 371 | Whitman | 162 | Clallam | 44 |
| Jefferson | 337 | Klickitat | 159 | Skamania | 38 |
| Asotin | 263 | Stevens | 139 | Asotin | 23 |
| Lincoln | 222 | Pacific | 81 | Jefferson | 22 |
| Stevens | 140 | Pend Oreille | 50 | San Juan | 17 |
| Columbia | 116 | Adams | 33 | Grays Harbor | 15 |
| Pacific | 96 | Lincoln | 26 | Pacific | 15 |
| Pend Oreille | 61 | Ferry | 12 | Pend Oreille | 10 |
| Skamania | 50 | Skamania | 12 | Island | 4 |
| Garfield | 44 | Columbia | 8 | Stevens | 1 |
| Ferry | 12 | Wahkiakum | 2 | Ferry | 0 |
| Wahkiakum | 2 | Garfield | 0 | Wahkiakum | 0 |

Table S4. Total annual average employment-days of exposure to temperature threshold exceedances (PRISM), May-September, 2011-2020

| County | 80°F (26.7°C) | 85°F (29.4°C) | 89°F (31.7°C) | 90°F (32.2°C) | 95°F (35.0°C) |
|---------------------|---------------|---------------|---------------|---------------|---------------|
| Yakima | 1737860 | 880572 | 416913 | 317429 | 23223 |
| King | 1278498 | 399755 | 91851 | 55043 | 0 |
| Grant | 962783 | 644216 | 406314 | 350473 | 151458 |
| Benton | 904258 | 623112 | 415205 | 369120 | 163927 |
| Franklin | 777633 | 542711 | 352319 | 306795 | 136583 |
| Spokane | 645000 | 391171 | 225007 | 196537 | 47398 |
| Clark | 504102 | 270157 | 123196 | 99751 | 25506 |
| Chelan | 382273 | 151797 | 38587 | 16360 | 0 |
| Pierce | 374505 | 115302 | 25607 | 16459 | 0 |
| Snohomish | 308033 | 83814 | 7950 | 3832 | 0 |
| Douglas | 285127 | 181276 | 114213 | 95525 | 31098 |
| Okanogan | 235648 | 104830 | 31742 | 20967 | 754 |
| Adams | 212679 | 142824 | 85864 | 77073 | 33388 |
| Walla Walla | 205220 | 143925 | 92411 | 78800 | 31879 |
| Thurston | 132553 | 67090 | 28121 | 20863 | 3868 |
| Whatcom | 83464 | 11464 | 0 | 0 | 0 |
| Kitsap | 77999 | 28903 | 9376 | 5892 | 350 |
| Skagit | 67632 | 13117 | 560 | 560 | 0 |
| Whitman | 42226 | 29163 | 17687 | 15174 | 6216 |
| Klickitat | 40451 | 21776 | 12126 | 10241 | 2945 |
| Cowlitz | 40015 | 18136 | 8148 | 6529 | 865 |
| Lewis | 34787 | 15469 | 6680 | 5330 | 647 |
| Kittitas | 31041 | 14473 | 5214 | 4172 | 94 |
| Lincoln | 17050 | 10800 | 6534 | 5829 | 1807 |
| Asotin | 16682 | 11195 | 6632 | 5854 | 1346 |
| Grays Harbor | 11327 | 4452 | 1649 | 1130 | 78 |
| Mason | 10584 | 4432 | 1623 | 1126 | 66 |
| Stevens | 8163 | 4894 | 2658 | 2154 | 490 |

| | | | | | |
|---------------------|------|------|------|------|-----|
| Columbia | 8024 | 4649 | 2604 | 2212 | 526 |
| Clallam | 6803 | 1907 | 0 | 0 | 0 |
| Garfield | 3749 | 2540 | 1474 | 1235 | 335 |
| Jefferson | 3433 | 961 | 167 | 0 | 0 |
| Island | 3001 | 192 | 0 | 0 | 0 |
| San Juan | 2872 | 70 | 0 | 0 | 0 |
| Pend Oreille | 2666 | 1379 | 546 | 400 | 55 |
| Pacific | 1452 | 593 | 238 | 172 | 10 |
| Skamania | 1321 | 519 | 149 | 121 | 0 |
| Ferry | 599 | 315 | 148 | 113 | 20 |
| Wahkiakum | 30 | 9 | 3 | 2 | 1 |

Table S5. Construction annual average employment-days of exposure to temperature threshold exceedances (PRISM), May-September, 2011-2020

| County | 80°F (26.7°C) | 85°F (29.4°C) | 89°F (31.7°C) | 90°F (32.2°C) | 95°F (35.0°C) |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| King | 1266123 | 396079 | 90977 | 54584 | 0 |
| Spokane | 591044 | 358649 | 206507 | 180159 | 43507 |
| Clark | 493623 | 264619 | 120744 | 97701 | 24953 |
| Pierce | 367850 | 113155 | 25181 | 16154 | 0 |
| Benton | 311118 | 214599 | 142880 | 126618 | 56090 |
| Snohomish | 295987 | 80482 | 7634 | 3675 | 0 |
| Thurston | 125038 | 63354 | 26733 | 19790 | 3668 |
| Yakima | 106945 | 54396 | 26202 | 20003 | 1356 |
| Franklin | 86795 | 60344 | 38663 | 33307 | 14597 |
| Kitsap | 76501 | 28309 | 9183 | 5775 | 334 |
| Grant | 75285 | 50475 | 31073 | 26621 | 11289 |
| Whatcom | 40192 | 5796 | 0 | 0 | 0 |
| Skagit | 39530 | 7780 | 315 | 315 | 0 |
| Cowlitz | 34124 | 15363 | 7007 | 5633 | 753 |
| Walla Walla | 31416 | 22408 | 14901 | 13051 | 5434 |
| Lewis | 28684 | 12883 | 5648 | 4506 | 534 |
| Chelan | 26861 | 10604 | 2885 | 1362 | 0 |

| | | | | | |
|---------------------|-------|-------|------|------|------|
| Douglas | 22101 | 13509 | 8178 | 6820 | 2181 |
| Kittitas | 20444 | 9423 | 3516 | 2819 | 58 |
| Asotin | 15028 | 10078 | 5982 | 5285 | 1207 |
| Whitman | 11883 | 7995 | 4792 | 4113 | 1679 |
| Okanogan | 11630 | 5051 | 1596 | 1093 | 36 |
| Grays Harbor | 11116 | 4362 | 1612 | 1103 | 73 |
| Klickitat | 9739 | 5546 | 3262 | 2774 | 818 |
| Mason | 8969 | 3733 | 1350 | 935 | 62 |
| Stevens | 8123 | 4872 | 2646 | 2146 | 490 |
| Clallam | 6417 | 1775 | 0 | 0 | 0 |
| Jefferson | 3207 | 878 | 148 | 0 | 0 |
| Island | 2952 | 185 | 0 | 0 | 0 |
| San Juan | 2773 | 68 | 0 | 0 | 0 |
| Adams | 2672 | 1798 | 1060 | 957 | 424 |
| Pend Oreille | 2172 | 1117 | 453 | 340 | 46 |
| Lincoln | 1751 | 1061 | 611 | 532 | 153 |
| Pacific | 1213 | 499 | 212 | 153 | 10 |
| Ferry | 599 | 315 | 148 | 113 | 20 |
| Columbia | 596 | 231 | 108 | 79 | 29 |
| Skamania | 360 | 165 | 57 | 49 | 0 |
| Wahkiakum | 30 | 9 | 3 | 2 | 1 |
| Garfield | 0 | 0 | 0 | 0 | 0 |

Table S6. Crop and crop support annual average employment-days of exposure to temperature threshold exceedances (PRISM), May-September, 2011-2020

| County | 80°F (26.7°C) | 85°F (29.4°C) | 89°F (31.7°C) | 90°F (32.2°C) | 95°F (35.0°C) |
|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Yakima | 1630916 | 826176 | 390711 | 297426 | 21868 |
| Grant | 887498 | 593742 | 375241 | 323851 | 140169 |
| Franklin | 690838 | 482367 | 313656 | 273488 | 121986 |
| Benton | 593140 | 408514 | 272324 | 242502 | 107837 |
| Chelan | 355412 | 141193 | 35703 | 14998 | 0 |
| Douglas | 263026 | 167767 | 106034 | 88705 | 28917 |

| | | | | | |
|---------------------|--------|--------|-------|-------|-------|
| Okanogan | 224018 | 99779 | 30146 | 19874 | 718 |
| Adams | 210007 | 141026 | 84804 | 76116 | 32964 |
| Walla Walla | 173804 | 121517 | 77510 | 65749 | 26445 |
| Spokane | 53957 | 32522 | 18501 | 16377 | 3892 |
| Whatcom | 43272 | 5668 | 0 | 0 | 0 |
| Klickitat | 30712 | 16230 | 8864 | 7467 | 2127 |
| Whitman | 30344 | 21168 | 12896 | 11062 | 4537 |
| Skagit | 28102 | 5337 | 245 | 245 | 0 |
| Lincoln | 15299 | 9739 | 5923 | 5297 | 1653 |
| King | 12375 | 3676 | 874 | 459 | 0 |
| Snohomish | 12046 | 3331 | 317 | 157 | 0 |
| Kittitas | 10598 | 5050 | 1698 | 1353 | 36 |
| Clark | 10479 | 5538 | 2452 | 2050 | 554 |
| Thurston | 7515 | 3736 | 1388 | 1073 | 200 |
| Columbia | 7428 | 4418 | 2496 | 2133 | 498 |
| Pierce | 6655 | 2147 | 426 | 305 | 0 |
| Lewis | 6103 | 2586 | 1032 | 824 | 113 |
| Cowlitz | 5891 | 2773 | 1141 | 896 | 111 |
| Garfield | 3749 | 2540 | 1474 | 1235 | 335 |
| Asotin | 1654 | 1117 | 650 | 570 | 139 |
| Mason | 1616 | 699 | 273 | 192 | 4 |
| Kitsap | 1497 | 594 | 193 | 117 | 16 |
| Skamania | 961 | 355 | 91 | 72 | 0 |
| Pend Oreille | 493 | 263 | 94 | 60 | 9 |
| Clallam | 385 | 132 | 0 | 0 | 0 |
| Pacific | 239 | 94 | 26 | 19 | 0 |
| Jefferson | 226 | 84 | 19 | 0 | 0 |
| Grays Harbor | 211 | 90 | 36 | 27 | 5 |
| San Juan | 100 | 3 | 0 | 0 | 0 |
| Island | 49 | 7 | 0 | 0 | 0 |
| Stevens | 40 | 22 | 12 | 8 | 0 |
| Ferry | 0 | 0 | 0 | 0 | 0 |
| Wahkiakum | 0 | 0 | 0 | 0 | 0 |

Table S7. Annual average number of AWN derived temperature threshold exceedances, May-September, 2011-2020

| County | 80°F (26.7°C) | 85°F (29.4°C) | 89°F (31.7°C) | 90°F (32.2°C) | 95°F (35.0°C) |
|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Franklin | 102.5 | 74 | 50.2 | 43.4 | 19.4 |
| Benton | 97.8 | 70.2 | 48.5 | 42.4 | 18.7 |
| Walla Walla | 97.6 | 71.5 | 49.5 | 43.1 | 18.9 |
| Okanogan | 96.2 | 70.5 | 47.5 | 41.7 | 18.5 |
| Klickitat | 96.0 | 70.7 | 46.5 | 40.9 | 18.9 |
| Yakima | 94.6 | 67.7 | 42.7 | 37.3 | 14.3 |
| Grant | 90.2 | 62.4 | 37.0 | 32.0 | 13.0 |
| Adams | 89.9 | 63.8 | 40.0 | 35.3 | 17.2 |
| Chelan | 88.5 | 64.0 | 41.8 | 35.2 | 15.4 |
| Douglas | 87.5 | 62.8 | 39.8 | 34.6 | 14.0 |
| Columbia | 77.1 | 53.7 | 32.9 | 29.0 | 11.8 |
| Whitman | 75.4 | 49.7 | 30.8 | 26.5 | 10.8 |
| Kittitas | 75.2 | 48.6 | 26.6 | 23.4 | 7.9 |
| Spokane | 70.4 | 43.5 | 25.5 | 22.1 | 5.7 |
| Lincoln | 68.3 | 40.7 | 24.7 | 21.5 | 6.4 |
| Skamania | 64.5 | 36.4 | 19.5 | 17.2 | 4.8 |
| Asotin | 61.8 | 36.2 | 20.5 | 16.3 | 2.8 |
| Clark | 61.1 | 33.0 | 16.7 | 13.6 | 3.9 |
| Stevens | 51.9 | 35.9 | 23.5 | 20.2 | 9.2 |
| Thurston | 49.7 | 26.7 | 13.3 | 10.4 | 2.3 |
| Pierce | 46.2 | 22.2 | 7.9 | 6.1 | 0.9 |
| King | 44.8 | 20.4 | 8.2 | 6.2 | 0.3 |
| Whatcom | 36.0 | 13.3 | 4.8 | 3.5 | 0.2 |
| Kitsap | 32.3 | 14.3 | 5.0 | 3.4 | 0.2 |
| Ferry | 30.9 | 21.2 | 11.4 | 9.3 | 2.5 |
| Snohomish | 26.7 | 8.6 | 1.9 | 0.7 | 0.1 |
| Lewis | 25.6 | 13.7 | 7.2 | 6.1 | 1.7 |
| Grays Harbor | 14.7 | 6.4 | 2.6 | 1.9 | 0.1 |
| Jefferson | 13.0 | 5.4 | 0.6 | 0.2 | 0 |
| Skagit | 13.0 | 1.7 | 0.3 | 0.2 | 0 |

| | | | | | |
|--|------|------|------|------|-----|
| Clallam | 11.5 | 3.3 | 0.3 | 0.3 | 0 |
| Island | 11.5 | 2.9 | 0.3 | 0.2 | 0 |
| Pacific | 6.2 | 3.7 | 1.4 | 1.1 | 0.1 |
| Garfield | 5.9 | 3.5 | 1.9 | 1.7 | 0.8 |
| San Juan | 0 | 0 | 0 | 0 | 0 |
| Mason | 0 | 0 | 0 | 0 | 0 |
| Cowlitz | 0 | 0 | 0 | 0 | 0 |
| Pend Oreille | 0 | 0 | 0 | 0 | 0 |
| Wahkiakum | 0 | 0 | 0 | 0 | 0 |
| Median (All counties) | 49.7 | 26.7 | 13.3 | 10.4 | 2.5 |
| Standard Deviation (All counties) | 35.6 | 26.6 | 18.0 | 15.8 | 7.1 |

Table S8. Annual average number of AWN derived temperature threshold exceedances, October-April, 2011-2020

| County | 80°F (26.7°C) | 85°F (29.4°C) | 89°F (31.7°C) | 90°F (32.2°C) | 95°F (35.0°C) |
|--------------------|--------------------------|----------------------|----------------------|----------------------|----------------------|
| Klickitat | 1.4 | 0.3 | 0 | 0 | 0 |
| Benton | 1.1 | 0.3 | 0 | 0 | 0 |
| Yakima | 1.1 | 0.1 | 0 | 0 | 0 |
| Walla Walla | 1.0 | 0.3 | 0 | 0 | 0 |
| Franklin | 0.9 | 0.2 | 0 | 0 | 0 |
| Skamania | 0.9 | 0.1 | 0 | 0 | 0 |
| Kittitas | 0.8 | 0.1 | 0 | 0 | 0 |
| Adams | 0.7 | 0.0 | 0 | 0 | 0 |
| Clark | 0.7 | 0.0 | 0 | 0 | 0 |
| Chelan | 0.6 | 0.1 | 0 | 0 | 0 |
| Grant | 0.6 | 0.1 | 0 | 0 | 0 |
| Whitman | 0.6 | 0.0 | 0 | 0 | 0 |
| Douglas | 0.4 | 0.1 | 0 | 0 | 0 |

| | | | | | |
|---------------------|-----|-----|---|---|---|
| Columbia | 0.4 | 0.0 | 0 | 0 | 0 |
| Okanogan | 0.4 | 0.0 | 0 | 0 | 0 |
| Pacific | 0.3 | 0.0 | 0 | 0 | 0 |
| Grays Harbor | 0.2 | 0.0 | 0 | 0 | 0 |
| Spokane | 0.2 | 0.0 | 0 | 0 | 0 |
| Asotin | 0.1 | 0.0 | 0 | 0 | 0 |
| Lincoln | 0.1 | 0.0 | 0 | 0 | 0 |
| Stevens | 0.1 | 0.0 | 0 | 0 | 0 |
| Clallam | 0 | 0.0 | 0 | 0 | 0 |
| Ferry | 0 | 0.0 | 0 | 0 | 0 |
| Garfield | 0 | 0.0 | 0 | 0 | 0 |
| Island | 0 | 0.0 | 0 | 0 | 0 |
| Jefferson | 0 | 0.0 | 0 | 0 | 0 |
| King | 0 | 0.0 | 0 | 0 | 0 |
| Kitsap | 0 | 0.0 | 0 | 0 | 0 |
| Lewis | 0 | 0.0 | 0 | 0 | 0 |
| Pierce | 0 | 0.0 | 0 | 0 | 0 |
| Skagit | 0 | 0.0 | 0 | 0 | 0 |
| Snohomish | 0 | 0.0 | 0 | 0 | 0 |
| Thurston | 0 | 0.0 | 0 | 0 | 0 |
| Whatcom | 0 | 0.0 | 0 | 0 | 0 |
| San Juan | 0 | 0.0 | 0 | 0 | 0 |
| Mason | 0 | 0.0 | 0 | 0 | 0 |
| Cowlitz | 0 | 0.0 | 0 | 0 | 0 |
| Pend Oreille | 0 | 0.0 | 0 | 0 | 0 |
| Wahkiakum | 0 | 0.0 | 0 | 0 | 0 |

Table S9. Annual average total employment-days affected by AWN-derived heat wave days for crop and crop support by county from May-Sept, 2011-2020

| County | Employment-days at risk |
|---------------|--------------------------------|
| Yakima | 254025 |
| Chelan | 111781 |
| Grant | 85879 |

| | |
|---------------------|-------|
| Benton | 68266 |
| Franklin | 65490 |
| Okanogan | 56432 |
| Douglas | 29377 |
| Adams | 27852 |
| Whatcom | 23992 |
| Walla Walla | 23439 |
| Spokane | 7364 |
| Klickitat | 6936 |
| King | 5061 |
| Whitman | 4312 |
| Snohomish | 3516 |
| Skagit | 3436 |
| Clark | 3047 |
| Kittitas | 2769 |
| Pierce | 2224 |
| Thurston | 1681 |
| Lincoln | 1672 |
| Columbia | 1175 |
| Lewis | 672 |
| Skamania | 495 |
| Kitsap | 335 |
| Clallam | 210 |
| Asotin | 195 |
| Grays Harbor | 143 |
| Jefferson | 95 |
| Pacific | 73 |
| Garfield | 23 |
| Island | 19 |
| Stevens | 7 |
| Cowlitz | 0 |
| Ferry | 0 |
| Mason | 0 |

| | |
|---------------------|---|
| Pend Oreille | 0 |
| San Juan | 0 |
| Wahkiakum | 0 |