

# NE2001: Harnessing Chemical Ecology to Address Agricultural Pest and Pollinator Priorities

| Participant Name                                       | Station Name  | Objective No. | Research          |                      |                      |      |       |       |      | Extension  |  |
|--|---|---------------|-------------------|----------------------|----------------------|------|-------|-------|------|------------|--|
|  |   |               | KA                | SOI                  | FOS                  | SY   | PY    | TY    | FTE  | Program/KA |  |
| AHN, SEUNGJOON<br>seungjoon.ahn@msstate.edu            | Mississippi -<br>Mississippi State<br>University          | 1,2,3,4,5,6,7 | 211<br>0          | 3110<br>3120         | 1130<br>1040         | 0.10 | 0.00  | 0.00  | 0    | 211        |  |
| Karban, Richard<br>rkarban@ucdavis.edu                 | California -Davis :<br>University of<br>California, Davis | 1,2,3,4,5,6,7 | 211               | 2410                 | 1070                 | 0.00 | 0.00  | 0.00  | 0    | 0          |  |
| Agrawal, Anurag<br>aa337@cornell.edu                   | New York -Ithaca :<br>Cornell University                  | 1,2,3,4,5,6,7 | 211<br>211        | 1429<br>1429         | 1130<br>1080         | 0.10 | 0.00  | 0.00  | 0    | 0          |  |
| Hastings, Amy P<br>aph54@cornell.edu                   | New York -Ithaca :<br>Cornell University                  | 1,2,3,4,5,6,7 | 211<br>202        | 1429<br>1429         | 1130<br>1081         | 0.00 | 0.00  | 0.40  | 0    | 0          |  |
| Rodriguez-Saona, Cesar<br>crodriguez@njaes.rutgers.edu | New Jersey -<br>Rutgers University                        | 1,2,3,4,5,6,7 | 211<br>211        | 1120<br>1121         | 1130<br>1130         | 0.20 | 0.00  | 0.00  | 0.1  | 211        |  |
| Wetzel, William<br>wcwetzel@msu.edu                    | Michigan - Michigan<br>State University                   | 1,2,3,4,5,6,7 | 211<br>211        | 1469<br>1310         | 1070<br>1070         | 0.10 | 0.00  | 0.00  | 0    | 0          |  |
| Vannette, Rachel<br>rlvannette@ucdavis.edu             | California -Davis :<br>University of<br>California, Davis | 1,2,3,4,5,6,7 | 212<br>211<br>314 | 1199<br>2499<br>3099 | 1070<br>1070<br>1070 | 0.10 | 0.00  | 0.00  | 0    | 0          |  |
| Stoner, Kimberly A.<br>kimberly.stoner@po.state.ct.us  | Connecticut -New<br>Haven                                 | 1,2,3,4,5,6,7 | 211               | 3099                 | 1130                 | 0.10 | 0.00  | 0.10  | 0    | 0          |  |
| Stout, Michael<br>mstout@agctr.lsu.edu                 | Louisiana - Louisiana<br>State University                 | 1,2,3,4,5,6,7 | 216               | 1530                 | 1130                 | 0.10 | 0.20  | 0.00  | 0.1  | 211        |  |
| Hermann, Sara<br>slh@psu.edu                           | Pennsylvania -<br>Pennsylvania State<br>University        | 1,2,3,4,5,6,7 | 211<br>215<br>216 | 3110<br>3120<br>1499 | 1130<br>1070<br>1130 | 0.10 | 0.00  | 0.00  | 0    | 0          |  |
| Zebelo, Simon<br>sazebelo@umes.edu                     | University of<br>Maryland-Eastern<br>Shore                | 1,2,3,4,5,6,7 | 211<br>215<br>216 | 3110<br>3099<br>2499 | 1130<br>1070<br>1040 | 1.00 | 3.00  | 3.00  | 0    | 211        |  |
| Hind, Sarah<br>srhind@illinois.edu                     | Illinois - University of<br>Illinois                      | 1,2,3,4,5,6,7 | 215               | 2410                 | 1000                 | 0.05 | 0.00  | 0.00  | 0    | 0          |  |
| Ngumbi, Ester<br>enn@illinois.edu                      | Illinois - University of<br>Illinois                      | 1,2,3,4,5,6,7 | 211               | 2410                 | 1130                 | 0.05 | 0.00  | 0.00  | 0    | 0          |  |
| Adler, Lynn<br>lsadler@ent.umass.edu                   | Massachusetts -<br>University of<br>Massachusetts         | 1,2,3,4,5,6,7 | 211               | 3099                 | 1070                 | 0.10 | 0.10  | 0.00  | 0    | 211        |  |
| Pinero, Jaime<br>jpinero@umass.edu                     | Massachusetts -<br>University of<br>Massachusetts         | 1,2,3,4,5,6,7 | 216<br>216<br>216 | 1110<br>1129<br>1112 | 1130<br>1130<br>1130 | 0.10 | 0.10  | 0.00  | 0.1  | 216<br>215 |  |
| Chen, Yolanda H<br>Yolanda.Chen@uvm.edu                | Vermont - University<br>of Vermont                        | 1,2,3,4,5,6,7 | 211               | 1310                 | 1080                 | 0.10 | 0.00  | 0.50  | 0    | 0          |  |
| Poveda, Katja<br>kap235@cornell.edu                    | New York -Ithaca :<br>Cornell University                  | 1,2,3,4,5,6,7 | 314<br>211<br>216 | 2410<br>3090<br>2410 | 1150<br>1070<br>1130 | 1.00 | 50.00 | 10.00 | 0.01 | 314        |  |
| Hoover, Kelli<br>kxh25@psu.edu                         | Pennsylvania -<br>Pennsylvania State<br>University        | 1,2,3,4,5,6,7 | 211               | 2410                 | 1070                 | 0.10 | 0.00  | 1.00  | 0    | 0          |  |
| Casteel, Clare L<br>clc269@cornell.edu                 | New York -Ithaca :<br>Cornell University                  | 1,2,3,4,5,6,7 | 216<br>212<br>203 | 2499<br>1510<br>1510 | 1030<br>1101<br>1101 | 0.00 | 0.20  | 0.00  | 0    | 0          |  |
| Renner, Tanya<br>tur158@psu.edu                        | Pennsylvania -<br>Pennsylvania State<br>University        | 1,2,3,4,5,6,7 | 201               | 2499                 | 1080                 | 0.10 | 0.00  | 0.00  | 0    | 0          |  |
| McArt, Scott H<br>shm33@cornell.edu                    | New York -Ithaca :<br>Cornell University                  | 1,2,3,4,5,6,7 | 314               | 3010                 | 1150                 | 0.10 | 0.50  | 0.50  | 0.1  | 314        |  |
| Wu-Smart, Judy<br>jwu-smart@unl.edu                    | Nebraska - University<br>of Nebraska                      | 1,2,3,4,5,6,7 | 211               | 3099                 | 1130                 | 0.20 | 0.00  | 0.00  | 0    | 0          |  |
| Kaplan, Ian<br>ikaplan@purdue.edu                      | Indiana - Purdue<br>University                            | 1,2,3,4,5,6,7 | 216<br>211        | 1429<br>1420         | 1070<br>1130         | 0.10 | 0.00  | 0.00  | 0    | 0          |  |
| Thaler, Jennifer S<br>jst37@cornell.edu                | New York -Ithaca :<br>Cornell University                  | 1,2,3,4,5,6,7 | 215<br>215        | 1469<br>1310         | 1070<br>1070         | 0.10 | 0.00  | 0.00  | 0    | 0          |  |

| Participant Name                        | Station Name                                      | Objective No. | Research |      |      |      |      |      | Extension |            |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|---|---|---------------|----------|------|------|------|------|------|-----------|------------|-------------------------------------|--------------------------------------|---------------|-----|------|------|------|------|------|---|---|-----|------|------|---|--------------------------------------|---------------|-----|------|------|------|------|------|---|---|-----|------|------|----------------------------|--------------------------------------|---------------|-----|------|------|----------------------------|--------------------------------------|---------------|------|------|------|--|--------------------------------|---------------|-----|------|------|------|------|------|------|------|--|--------------------------------------|---------------|----------------------------------|--------------------------------------|----------------------------------|--------------------------------------|---------------|------|------|------------|---------------------------------------|---|---------------|-----|------|------|-------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|---------------|--|---|---------------|------|------|------|------|------|------|---|----------------------------|---|---|---------------|---|------|------|------|------|------|----------------------------|---------------|------------------------------------|---|---------------|------|------|------|------|------|------|------|------|--------------------------------------|--|--|--------------------------------|---------------|------|------|------|------|------|------|------|--|--|--------------------------------------|---------------|------|--------------------------------------|--|---------------|------|------|------|--|---------------------------------------|---|---------------|------|---------------------------------------|--|---------------|------|------|------------|---------------------------------------|---|---|---------------|------|------|------|------|------|------|---|--|---|---|---------------|------|------|------|------|------|------|---|---|---|---|---------------|------|------|------|------|------|------|---|------------------------------------|---|--|---------------|------|------|------|------|------|------|-----|--------------------------------------|--|---------------|-----|------|------|------|--------------------------------------|--|---------------|-----|------|------|------|------|------|------|--------------------------------------|--|--|---------------|------|------|------|------|------|------|-----|---------------------------------------|--|---------------|
|   |   |               | KA       | SOI  | FOS  | SY   | PY   | TY   | FTE       | Program/KA |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
| Amsalem, Etya<br>eua6@psu.edu           | Pennsylvania -<br>Pennsylvania State              | 1,2,3,4,5,6,7 | 301      | 3999 | 1130 | 0.10 | 0.00 | 0.00 | 0         | 0          |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 305      | 3999 | 1130 |      |      |      |           |            | Felton, Gary<br>gwf10@psu.edu       | Pennsylvania -<br>Pennsylvania State | 1,2,3,4,5,6,7 | 211 | 1460 | 1130 | 0.10 | 0.00 | 0.00 | 0 | 0 | 211 | 620  | 1020 | Baker, Thomas C<br>tcb10@psu.edu        | Pennsylvania -<br>Pennsylvania State | 1,2,3,4,5,6,7 | 211 | 1199 | 1020 | 0.10 | 0.00 | 0.00 | 0 | 0 | 211 | 1470 | 1020 | 0                          | 0                                    | 0             | 211 | 2499 | 1070 | Ali, Jared<br>jga8@psu.edu | Pennsylvania -<br>Pennsylvania State | 1,2,3,4,5,6,7 | 215  | 1429 | 1060 | 0.10                                   | 0.00                           | 0.00          | 0   | 0    | 212  | 1510 | 1130 | 216  | 1599 | 1120 | 211                                    | 1820                                 | 1130          | Tooker, John F<br>tooker@psu.edu | Pennsylvania -<br>Pennsylvania State | 1,2,3,4,5,6,7                    | 211                                  | 1820          | 1130 | 0.10 | 0.00       | 0.00                                  | 0.1   | 211           | 211 | 1820 | 1130 | Tumlinson, James H.<br>jht2@psu.edu | Pennsylvania -<br>Pennsylvania State | 1,2,3,4,5,6,7                       | 211                                  | 2499          | 1130                                   | 0.10  | 0.00          | 0.00 | 0    | 0    | 211  | 1310 | 1040 | Zhu-Salzman, Keyan<br>ksalzman@tamu.edu | Texas AgriLife<br>Research | 1,2,3,4,5,6,7                           | 211   | 1412          | 1040                                    | 0.10 | 0.00 | 0.00 | 0    | 0    | 211                        | 1419          | 1040                               | 211   | 1460          | 1040 | 211  | 3110 | 1040 | 211  | 4010 | 1040 | 211  | 1310                                 | 1130                                     | Alyokhin, Andrei<br>alyokhin@maine.edu | Maine - University of<br>Maine | 1,2,3,4,5,6,7 | 211  | 1310 | 1130 | 0.60 | 1.00 | 0.00 | 0    | 0                                      | Acevedo, Flor Edith<br>fea5007@psu.edu | Pennsylvania -<br>Pennsylvania State | 1,2,3,4,5,6,7 | 211  | 3110                                 | 1130                                     | 0.60          | 0.00 | 0.00 | 0.3  | 215<br>216                             | Sandler, Hilary<br>hsandler@umass.edu | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7 | 216  | 1121                                  | 1060                                     | 0.03          | 0.00 | 0.00 | 0          | 0                                     | Averill, Anne<br>averill@eco.umass.edu            | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7 | 216  | 1121 | 1060 | 0.03 | 0.00 | 0.00 | 0 | 0                                      | Mupambi, Giverson<br>gmupambi@umass.edu           | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7 | 216  | 1121 | 1060 | 0.02 | 0.00 | 0.00 | 0 | 0                                       | Uppala, Leela<br>suppala@umass.edu                | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7 | 216  | 1121 | 1060 | 0.03 | 0.00 | 0.00 | 0 | 0                                  | Willett, Denis<br>dsw249@cornell.edu              | New York -Geneva :<br>Cornell University | 1,2,3,4,5,6,7 | 211  | 1219 | 1130 | 0.30 | 0.20 | 0.50 | 0.2 | 211                                  |  |               |     | 211  | 1451 | 1130 | Loeb, Gregory M.<br>gme1@cornell.edu | New York -Geneva :<br>Cornell University | 1,2,3,4,5,6,7 | 211 | 1129 | 1130 | 0.20 | 0.40 | 0.20 | 0.1  | 211                                  | Wickings, Kyle G<br>kgw37@cornell.edu    | New York -Geneva :<br>Cornell University | 1,2,3,4,5,6,7 | 211  | 3199 | 1130 | 0.10 | 0.00 | 0.00 | 0   | 0                                     |  |               |
| Felton, Gary<br>gwf10@psu.edu           | Pennsylvania -<br>Pennsylvania State              | 1,2,3,4,5,6,7 | 211      | 1460 | 1130 | 0.10 | 0.00 | 0.00 | 0         | 0          |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 211      | 620  | 1020 |      |      |      |           |            | Baker, Thomas C<br>tcb10@psu.edu    | Pennsylvania -<br>Pennsylvania State | 1,2,3,4,5,6,7 | 211 | 1199 | 1020 | 0.10 | 0.00 | 0.00 | 0 | 0 | 211 | 1470 | 1020 |   |                                      |               | 0   | 0    | 0    |      |      |      |   |   | 211 | 2499 | 1070 | Ali, Jared<br>jga8@psu.edu | Pennsylvania -<br>Pennsylvania State | 1,2,3,4,5,6,7 | 215 | 1429 | 1060 |                            |                                      |               | 0.10 | 0.00 | 0.00 |  |                                |               |     |      | 0    | 0    | 212  | 1510 | 1130 | 216  | 1599                                   | 1120                                 | 211           | 1820                             | 1130                                 | Tooker, John F<br>tooker@psu.edu | Pennsylvania -<br>Pennsylvania State | 1,2,3,4,5,6,7 | 211  | 1820 | 1130       | 0.10                                  | 0.00  | 0.00          | 0.1 | 211  | 211  | 1820                                | 1130                                 | Tumlinson, James H.<br>jht2@psu.edu | Pennsylvania -<br>Pennsylvania State | 1,2,3,4,5,6,7 | 211                                    | 2499  | 1130          | 0.10 | 0.00 | 0.00 | 0    | 0    | 211  |   |                            |   | 1310  | 1040          | Zhu-Salzman, Keyan<br>ksalzman@tamu.edu |      |      |      |      |      | Texas AgriLife<br>Research | 1,2,3,4,5,6,7 | 211                                | 1412  | 1040          | 0.10 | 0.00 | 0.00 | 0    | 0    | 211  | 1419 | 1040 | 211                                  | 1460                                     | 1040                                   | 211                            | 3110          | 1040 | 211  | 4010 | 1040 | 211  | 1310 | 1130 | Alyokhin, Andrei<br>alyokhin@maine.edu | Maine - University of<br>Maine         | 1,2,3,4,5,6,7                        | 211           | 1310 | 1130                                 | 0.60                                     | 1.00          | 0.00 | 0    | 0    | Acevedo, Flor Edith<br>fea5007@psu.edu | Pennsylvania -<br>Pennsylvania State  | 1,2,3,4,5,6,7                                     | 211           | 3110 | 1130                                  | 0.60                                     | 0.00          | 0.00 | 0.3  | 215<br>216 | Sandler, Hilary<br>hsandler@umass.edu | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7                                     | 216           | 1121 | 1060 | 0.03 | 0.00 | 0.00 | 0    | 0 | Averill, Anne<br>averill@eco.umass.edu | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7                                     | 216           | 1121 | 1060 | 0.03 | 0.00 | 0.00 | 0    | 0 | Mupambi, Giverson<br>gmupambi@umass.edu | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7                                     | 216           | 1121 | 1060 | 0.02 | 0.00 | 0.00 | 0    | 0 | Uppala, Leela<br>suppala@umass.edu | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7                            | 216           | 1121 | 1060 | 0.03 | 0.00 | 0.00 | 0    | 0   | Willett, Denis<br>dsw249@cornell.edu | New York -Geneva :<br>Cornell University | 1,2,3,4,5,6,7 | 211 | 1219 | 1130 | 0.30 | 0.20                                 | 0.50                                     | 0.2           | 211 |      |      |      | 211  | 1451 | 1130 | Loeb, Gregory M.<br>gme1@cornell.edu | New York -Geneva :<br>Cornell University | 1,2,3,4,5,6,7                            | 211           | 1129 | 1130 | 0.20 | 0.40 | 0.20 | 0.1  | 211 | Wickings, Kyle G<br>kgw37@cornell.edu | New York -Geneva :<br>Cornell University | 1,2,3,4,5,6,7 |
| Baker, Thomas C<br>tcb10@psu.edu        | Pennsylvania -<br>Pennsylvania State              | 1,2,3,4,5,6,7 | 211      | 1199 | 1020 | 0.10 | 0.00 | 0.00 | 0         | 0          |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 211      | 1470 | 1020 |      |      |      |           |            |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 0        | 0    | 0    |      |      |      |           |            |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 211      | 2499 | 1070 |      |      |      |           |            |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
| Ali, Jared<br>jga8@psu.edu              | Pennsylvania -<br>Pennsylvania State              | 1,2,3,4,5,6,7 | 215      | 1429 | 1060 | 0.10 | 0.00 | 0.00 | 0         | 0          |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 212      | 1510 | 1130 |      |      |      |           |            |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 216      | 1599 | 1120 |      |      |      |           |            |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 211      | 1820 | 1130 |      |      |      |           |            |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
| Tooker, John F<br>tooker@psu.edu        | Pennsylvania -<br>Pennsylvania State              | 1,2,3,4,5,6,7 | 211      | 1820 | 1130 | 0.10 | 0.00 | 0.00 | 0.1       | 211        |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 211      | 1820 | 1130 |      |      |      |           |            | Tumlinson, James H.<br>jht2@psu.edu | Pennsylvania -<br>Pennsylvania State | 1,2,3,4,5,6,7 | 211 | 2499 | 1130 | 0.10 | 0.00 | 0.00 | 0 | 0 | 211 | 1310 | 1040 | Zhu-Salzman, Keyan<br>ksalzman@tamu.edu | Texas AgriLife<br>Research           | 1,2,3,4,5,6,7 | 211 | 1412 | 1040 | 0.10 | 0.00 | 0.00 | 0 | 0 | 211 | 1419 | 1040 | 211                        | 1460                                 | 1040          | 211 | 3110 | 1040 | 211                        | 4010                                 | 1040          | 211  | 1310 | 1130 | Alyokhin, Andrei<br>alyokhin@maine.edu | Maine - University of<br>Maine | 1,2,3,4,5,6,7 | 211 | 1310 | 1130 | 0.60 | 1.00 | 0.00 | 0    | 0    | Acevedo, Flor Edith<br>fea5007@psu.edu | Pennsylvania -<br>Pennsylvania State | 1,2,3,4,5,6,7 | 211                              | 3110                                 | 1130                             | 0.60                                 | 0.00          | 0.00 | 0.3  | 215<br>216 | Sandler, Hilary<br>hsandler@umass.edu | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7 | 216 | 1121 | 1060 | 0.03                                | 0.00                                 | 0.00                                | 0                                    | 0             | Averill, Anne<br>averill@eco.umass.edu | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7 | 216  | 1121 | 1060 | 0.03 | 0.00 | 0.00 | 0                                       | 0                          | Mupambi, Giverson<br>gmupambi@umass.edu | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7 | 216                                     | 1121 | 1060 | 0.02 | 0.00 | 0.00 | 0                          | 0             | Uppala, Leela<br>suppala@umass.edu | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7 | 216  | 1121 | 1060 | 0.03 | 0.00 | 0.00 | 0    | 0    | Willett, Denis<br>dsw249@cornell.edu | New York -Geneva :<br>Cornell University | 1,2,3,4,5,6,7                          | 211                            | 1219          | 1130 | 0.30 | 0.20 | 0.50 | 0.2  | 211  |      |  |  | 211                                  | 1451          | 1130 | Loeb, Gregory M.<br>gme1@cornell.edu | New York -Geneva :<br>Cornell University | 1,2,3,4,5,6,7 | 211  | 1129 | 1130 | 0.20                                   | 0.40                                  | 0.20  | 0.1           | 211  | Wickings, Kyle G<br>kgw37@cornell.edu | New York -Geneva :<br>Cornell University | 1,2,3,4,5,6,7 | 211  | 3199 | 1130       | 0.10                                  | 0.00  | 0.00  | 0             | 0    |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
| Tumlinson, James H.<br>jht2@psu.edu     | Pennsylvania -<br>Pennsylvania State              | 1,2,3,4,5,6,7 | 211      | 2499 | 1130 | 0.10 | 0.00 | 0.00 | 0         | 0          |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 211      | 1310 | 1040 |      |      |      |           |            |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
| Zhu-Salzman, Keyan<br>ksalzman@tamu.edu | Texas AgriLife<br>Research                        | 1,2,3,4,5,6,7 | 211      | 1412 | 1040 | 0.10 | 0.00 | 0.00 | 0         | 0          |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 211      | 1419 | 1040 |      |      |      |           |            |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 211      | 1460 | 1040 |      |      |      |           |            |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 211      | 3110 | 1040 |      |      |      |           |            |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 211      | 4010 | 1040 |      |      |      |           |            |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 211      | 1310 | 1130 |      |      |      |           |            |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
| Alyokhin, Andrei<br>alyokhin@maine.edu  | Maine - University of<br>Maine                    | 1,2,3,4,5,6,7 | 211      | 1310 | 1130 | 0.60 | 1.00 | 0.00 | 0         | 0          |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
| Acevedo, Flor Edith<br>fea5007@psu.edu  | Pennsylvania -<br>Pennsylvania State              | 1,2,3,4,5,6,7 | 211      | 3110 | 1130 | 0.60 | 0.00 | 0.00 | 0.3       | 215<br>216 |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
| Sandler, Hilary<br>hsandler@umass.edu   | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7 | 216      | 1121 | 1060 | 0.03 | 0.00 | 0.00 | 0         | 0          |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
| Averill, Anne<br>averill@eco.umass.edu  | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7 | 216      | 1121 | 1060 | 0.03 | 0.00 | 0.00 | 0         | 0          |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
| Mupambi, Giverson<br>gmupambi@umass.edu | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7 | 216      | 1121 | 1060 | 0.02 | 0.00 | 0.00 | 0         | 0          |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
| Uppala, Leela<br>suppala@umass.edu      | Massachusetts -<br>University of<br>Massachusetts | 1,2,3,4,5,6,7 | 216      | 1121 | 1060 | 0.03 | 0.00 | 0.00 | 0         | 0          |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
| Willett, Denis<br>dsw249@cornell.edu    | New York -Geneva :<br>Cornell University          | 1,2,3,4,5,6,7 | 211      | 1219 | 1130 | 0.30 | 0.20 | 0.50 | 0.2       | 211        |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
|   |   |               | 211      | 1451 | 1130 |      |      |      |           |            |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
| Loeb, Gregory M.<br>gme1@cornell.edu    | New York -Geneva :<br>Cornell University          | 1,2,3,4,5,6,7 | 211      | 1129 | 1130 | 0.20 | 0.40 | 0.20 | 0.1       | 211        |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |
| Wickings, Kyle G<br>kgw37@cornell.edu   | New York -Geneva :<br>Cornell University          | 1,2,3,4,5,6,7 | 211      | 3199 | 1130 | 0.10 | 0.00 | 0.00 | 0         | 0          |                                     |                                      |               |     |      |      |      |      |      |   |   |     |      |      |   |                                      |               |     |      |      |      |      |      |   |   |     |      |      |                            |                                      |               |     |      |      |                            |                                      |               |      |      |      |  |                                |               |     |      |      |      |      |      |      |      |  |                                      |               |                                  |                                      |                                  |                                      |               |      |      |            |                                       |   |               |     |      |      |                                     |                                      |                                     |                                      |               |  |   |               |      |      |      |      |      |      |   |                            |   |   |               |   |      |      |      |      |      |                            |               |                                    |   |               |      |      |      |      |      |      |      |      |                                      |  |  |                                |               |      |      |      |      |      |      |      |  |  |                                      |               |      |                                      |  |               |      |      |      |  |                                       |   |               |      |                                       |  |               |      |      |            |                                       |   |   |               |      |      |      |      |      |      |   |  |   |   |               |      |      |      |      |      |      |   |   |   |   |               |      |      |      |      |      |      |   |                                    |   |  |               |      |      |      |      |      |      |     |                                      |  |               |     |      |      |      |                                      |  |               |     |      |      |      |      |      |      |                                      |  |  |               |      |      |      |      |      |      |     |                                       |  |               |

| Combination of KA, SOI and FOS | Total SY     | Total PY      | Total TY     |
|--------------------------------|--------------|---------------|--------------|
| <b>Grand Total:</b>            | <b>13.51</b> | <b>162.50</b> | <b>43.10</b> |
| 0 - 0 - 0                      | 0.10         | 0.00          | 0.00         |
| 0 - 3120 - 1040                | 0.10         | 0.00          | 0.00         |
| 201 - 2499 - 1080              | 0.10         | 0.00          | 0.00         |
| 202 - 1429 - 1081              | 0.00         | 0.00          | 0.40         |
| 203 - 1510 - 1101              | 0.00         | 0.20          | 0.00         |
| 211 - 620 - 1020               | 0.10         | 0.00          | 0.00         |
| 211 - 1120 - 1130              | 0.20         | 0.00          | 0.00         |
| 211 - 1121 - 1130              | 0.20         | 0.00          | 0.00         |
| 211 - 1129 - 1130              | 0.20         | 0.40          | 0.20         |
| 211 - 1199 - 1020              | 0.10         | 0.00          | 0.00         |
| 211 - 1219 - 1130              | 0.30         | 0.20          | 0.50         |
| 211 - 1310 - 1040              | 0.10         | 0.00          | 0.00         |
| 211 - 1310 - 1070              | 0.10         | 0.00          | 0.00         |
| 211 - 1310 - 1080              | 0.10         | 0.00          | 0.50         |
| 211 - 1310 - 1130              | 0.60         | 1.00          | 0.00         |
| 211 - 1412 - 1040              | 0.10         | 0.00          | 0.00         |
| 211 - 1419 - 1040              | 0.10         | 0.00          | 0.00         |
| 211 - 1420 - 1130              | 0.10         | 0.00          | 0.00         |
| 211 - 1429 - 1080              | 0.10         | 0.00          | 0.00         |
| 211 - 1429 - 1130              | 0.10         | 0.00          | 0.40         |
| 211 - 1451 - 1130              | 0.30         | 0.20          | 0.50         |
| 211 - 1460 - 1040              | 0.10         | 0.00          | 0.00         |
| 211 - 1460 - 1130              | 0.10         | 0.00          | 0.00         |
| 211 - 1469 - 1070              | 0.10         | 0.00          | 0.00         |
| 211 - 1470 - 1020              | 0.10         | 0.00          | 0.00         |
| 211 - 1820 - 1130              | 0.20         | 0.00          | 0.00         |
| 211 - 2410 - 1070              | 0.10         | 0.00          | 1.00         |
| 211 - 2410 - 1130              | 0.05         | 0.00          | 0.00         |
| 211 - 2499 - 1070              | 0.20         | 0.00          | 0.00         |
| 211 - 2499 - 1130              | 0.10         | 0.00          | 0.00         |
| 211 - 3090 - 1070              | 1.00         | 50.00         | 10.00        |
| 211 - 3099 - 1070              | 0.10         | 0.10          | 0.00         |
| 211 - 3099 - 1130              | 0.30         | 0.00          | 0.10         |
| 211 - 3110 - 1040              | 0.10         | 0.00          | 0.00         |
| 211 - 3110 - 1130              | 1.80         | 3.00          | 3.00         |
| 211 - 3199 - 1130              | 0.10         | 0.00          | 0.00         |
| 211 - 4010 - 1040              | 0.10         | 0.00          | 0.00         |
| 212 - 1199 - 1070              | 0.10         | 0.00          | 0.00         |
| 212 - 1510 - 1101              | 0.00         | 0.20          | 0.00         |
| 212 - 1510 - 1130              | 0.10         | 0.00          | 0.00         |
| 215 - 1310 - 1070              | 0.10         | 0.00          | 0.00         |
| 215 - 1429 - 1060              | 0.10         | 0.00          | 0.00         |
| 215 - 1469 - 1070              | 0.10         | 0.00          | 0.00         |
| 215 - 2410 - 1000              | 0.05         | 0.00          | 0.00         |
| 215 - 3099 - 1070              | 1.00         | 3.00          | 3.00         |
| 215 - 3120 - 1070              | 0.10         | 0.00          | 0.00         |
| 216 - 1110 - 1130              | 0.10         | 0.10          | 0.00         |
| 216 - 1112 - 1130              | 0.10         | 0.10          | 0.00         |
| 216 - 1121 - 1060              | 0.11         | 0.00          | 0.00         |
| 216 - 1129 - 1130              | 0.10         | 0.10          | 0.00         |
| 216 - 1429 - 1070              | 0.10         | 0.00          | 0.00         |
| 216 - 1499 - 1130              | 0.10         | 0.00          | 0.00         |
| 216 - 1530 - 1130              | 0.10         | 0.20          | 0.00         |
| 216 - 1599 - 1120              | 0.10         | 0.00          | 0.00         |
| 216 - 2410 - 1130              | 1.00         | 50.00         | 10.00        |
| 216 - 2499 - 1030              | 0.00         | 0.20          | 0.00         |



| Combination of KA, SOI and FOS | Total SY | Total PY | Total TY |
|--------------------------------|----------|----------|----------|
| 216 - 2499 - 1040              | 1.00     | 3.00     | 3.00     |
| 301 - 3999 - 1130              | 0.10     | 0.00     | 0.00     |
| 305 - 3999 - 1130              | 0.10     | 0.00     | 0.00     |
| 314 - 2410 - 1150              | 1.00     | 50.00    | 10.00    |
| 314 - 3010 - 1150              | 0.10     | 0.50     | 0.50     |
| 314 - 3099 - 1070              | 0.10     | 0.00     | 0.00     |

**Grand FTE Total:**

|     |             |
|-----|-------------|
|     | <b>1.11</b> |
| 211 | 0           |
| 0   | 0           |
| 0   | 0           |
| 0   | 0           |
| 211 | 0.03        |
| 0   | 0           |
| 0   | 0           |
| 0   | 0           |
| 211 | 0.03        |
| 0   | 0           |
| 211 | 0           |
| 0   | 0           |
| 0   | 0           |
| 211 | 0           |
| 216 | 0.03        |
| 215 | 0.03        |
| 0   | 0           |
| 0   | 0           |
| 314 | 0           |
| 0   | 0           |
| 0   | 0           |
| 0   | 0           |
| 314 | 0.03        |
| 0   | 0           |
| 0   | 0           |
| 0   | 0           |
| 0   | 0           |
| 0   | 0           |
| 0   | 0           |
| 0   | 0           |
| 0   | 0           |
| 211 | 0.03        |
| 0   | 0           |
| 0   | 0           |
| 0   | 0           |
| 215 | 0.1         |
| 216 | 0.1         |
| 0   | 0           |
| 0   | 0           |
| 0   | 0           |
| 0   | 0           |
| 0   | 0           |
| 211 | 0.07        |
| 211 | 0.03        |
| 0   | 0           |