

**Table 1. Individual trial sites: location, cover crop system, management comparison and soil characteristics.**

| Year | County    | Site ID | Location City | Location |           | System            | Response Crop | Comparison          | Cover crop |         |               |                     | Soil*** |       |    | Soil test |     |     |     |      |     |     |  |
|------|-----------|---------|---------------|----------|-----------|-------------------|---------------|---------------------|------------|---------|---------------|---------------------|---------|-------|----|-----------|-----|-----|-----|------|-----|-----|--|
|      |           |         |               | Lat.     | Long.     |                   |               |                     | Planting   |         | Termination** |                     | Drain.  | Yield | pH | OM (%)    | P   | K   | Ca  | Mg   | S   |     |  |
|      |           |         |               |          |           |                   |               |                     | Date       | Rate*   | Date          | Timing              |         |       |    |           |     |     |     |      |     |     |  |
| 2022 | Dodge     | DG01    | Watertown     | 43.23308 | -88.83487 | Rye after corn    | Soybean       | Rate: 50 vs. 80     | 11/11/21   | 50, 80  | 5/8           | PP                  | Ph      | P     | M  | 7.6       | 3.2 | 17  | 114 | 2453 | 807 | 3.0 |  |
| 2022 | Dodge     | DG02    | Beaver Dam    | 43.48275 | -88.78264 | Rye after corn    | Soybean       | Rate: 31 vs. 62     | 10/25/21   | 31, 62  | 5/13          | PRE                 | PTA     | W     | H  | 6.2       | 4.6 | 190 | 307 | 2054 | 492 | 3.5 |  |
| 2022 | Dodge     | DG03    | Beaver Dam    | 43.48275 | -88.78264 | Rye after corn    | Soybean       | Placement           | 10/25/21   | 31      | 5/13          | PRE                 | MsB     | W     | H  | 6.2       | 4.6 | 190 | 307 | 2054 | 492 | 3.5 |  |
| 2022 | Dodge     | DG04    | Juneau        | 43.33253 | -88.73386 | Rye after corn    | Soybean       | Rate: 30 vs. 60     | 11/2/21    | 30, 60  | 5/20          | PRE                 | EbA     | SP    | H  | 6.3       | 3.4 | 82  | 255 | 1964 | 602 | 2.5 |  |
| 2022 | Dodge     | DG05    | Juneau        | 43.33253 | -88.73386 | Rye after corn    | Soybean       | Placement           | 11/2/21    | 30      | 5/20          | PRE                 | Ph      | P     | M  | 6.3       | 3.4 | 82  | 255 | 1964 | 602 | 2.5 |  |
| 2022 | Jefferson | JF01    | Palmyra       | 42.90485 | -88.58026 | Rye after corn    | Corn          | C vs. NC, Usual N   | 11/8/21    | 45      | 5/14          | PRE                 | KeB     | W     | H  | 6.8       | 1.4 | 79  | 66  |      |     |     |  |
| 2022 | Jefferson | JF02    | Palmyra       | 42.90485 | -88.58026 | Rye after corn    | Corn          | C vs. NC, High N    | 11/8/21    | 45      | 5/14          | PRE                 | KeB     | W     | H  | 6.8       | 1.4 | 79  | 66  |      |     |     |  |
| 2022 | Jefferson | JF03    | Palmyra       | 42.90944 | -88.56768 | Rye after corn    | Soybean       | Term. Timing        | 11/10/21   | 40      | 5/7, 6/11     | PP/LP               | WmA     | SP    | M  | 7.0       | 1.9 | 64  | 100 | 1548 | 222 | 4.1 |  |
| 2022 | Jefferson | JF04    | Palmyra       | 42.90944 | -88.56768 | Rye after corn    | Soybean       | Term. Timing        | 11/10/21   | 80      | 5/7, 6/11     | PP/LP               | JuB     | W     | H  | 7.0       | 1.9 | 64  | 100 | 1548 | 222 | 4.1 |  |
| 2022 | Jefferson | JF05    | Palmyra       | 42.91213 | -88.57469 | Rye after corn    | Soybean       | Rate: 40 vs. 80     | 10/27/21   | 40, 80  | 5/7           | PP                  | KeB     | W     | H  | 7.1       | 1.5 | 139 | 143 | 1312 | 162 | 3.7 |  |
| 2022 | Jefferson | JF06    | Palmyra       | 42.91213 | -88.57469 | Rye after corn    | Soybean       | Rate: 40 vs. 80     | 10/27/21   | 40, 80  | 6/11          | LP                  | KeB     | W     | H  | 7.1       | 1.5 | 139 | 143 | 1312 | 162 | 3.7 |  |
| 2022 | Jefferson | JF07    | Palmyra       | 42.90783 | -88.58541 | Rye after corn    | Soybean       | Rate: 40 vs. 80     | 10/18/21   | 40, 80  | 5/7           | PP                  | KeB     | W     | H  | 7.0       | 1.5 | 94  | 135 | 1341 | 188 | 3.2 |  |
| 2022 | Jefferson | JF08    | Palmyra       | 42.90783 | -88.58541 | Rye after corn    | Soybean       | Rate: 40 vs. 80     | 10/18/21   | 40, 80  | 6/11          | LP                  | KeB     | W     | H  | 7.0       | 1.5 | 94  | 135 | 1341 | 188 | 3.2 |  |
| 2022 | Jefferson | JF10    | Milford       | 43.13189 | -88.85933 | Rye after corn    | Soybean       | Rate: 30 vs. 150    | 11/15/21   | 30,150  | 5/12          | PRE                 | Kb      | P     | M  | 7.4       | 4.2 | 46  | 191 | 2803 | 472 | 9.7 |  |
| 2022 | Jefferson | JF11    | Palmyra       | 42.90151 | -88.57951 | Rye after soybean | Corn          | C vs. NC            | 10/19/21   | 45      | 5/14          | PRE                 | KeC2    | W     | M  | 6.8       | 1.5 | 67  | 88  |      |     |     |  |
| 2022 | Racine    | RC01    | Rochester     | 42.73147 | -88.22292 | Rye after soybean | Corn          | Rate: 50 vs. 80     | 11/30/21   | 50, 80  | 6/6           | PRE <sup>1</sup>    | FsA     | W     | H  | 5.9       | 1.9 | 147 | 192 | 1223 | 256 | 4.4 |  |
| 2022 | Racine    | RC02    | Rochester     | 42.73344 | -88.22166 | Rye after soybean | Corn          | Term. Timing        | 12/2/21    | 50      | 5/5, 6/6      | PP/PRE <sup>1</sup> | FsA     | W     | H  | 5.4       | 1.7 | 22  | 109 | 903  | 167 | 3.7 |  |
| 2022 | Racine    | RC03    | Rochester     | 42.73344 | -88.22166 | Rye after soybean | Corn          | Term. Timing        | 12/2/21    | 80      | 5/5, 6/6      | PP/PRE <sup>1</sup> | FsA     | W     | H  | 5.4       | 1.7 | 22  | 109 | 903  | 167 | 3.7 |  |
| 2022 | Racine    | RC04    | Kansasville   | 42.73852 | -88.13427 | Rye after corn    | Soybean       | Rate: 40 vs. 80     | 11/6/21    | 40, 80  | 5/16          | PRE                 | VaB     | W     | H  | 6.5       | 3.9 | 8   | 118 | 2253 | 592 | 2.8 |  |
| 2022 | Racine    | RC05    | Waterford     | 42.77359 | -88.15383 | Rye after corn    | Soybean       | Rate: 40 vs. 80     | 11/30/21   | 40, 80  | 6/18          | LP                  | MgA     | SP    | H  | 7.1       | 3.3 | 345 | 249 | 2371 | 600 | 3.3 |  |
| 2022 | Racine    | RC06    | Waterford     | 42.77492 | -88.15392 | Rye after corn    | Soybean       | Rate: 40 vs. 80     | 11/30/21   | 40, 80  | 6/18          | LP                  | ATA     | P     | M  | 6.2       | 4.8 | 48  | 125 | 2429 | 646 | 6.4 |  |
| 2022 | Rock      | RK03    | Beloit        | 42.50667 | -88.95667 | Rye after soybean | Corn          | Rate: 50 vs. 80     | 9/30/21    | 50, 80  | 4/19          | PP                  | PeB2    | W     | H  | 5.9       | 1.8 | 62  | 125 | 1560 | 480 | 2.6 |  |
| 2022 | Walworth  | WW01    | East Troy     | 42.81432 | -88.47961 | Rye after corn    | Soybean       | Term. Timing        | 11/7/21    | 40      | 5/7, 6/11     | PP/LP               | FsA     | W     | H  | 6.0       | 1.9 | 57  | 90  | 1559 | 363 | 4.5 |  |
| 2022 | Walworth  | WW02    | East Troy     | 42.81432 | -88.47961 | Rye after corn    | Soybean       | Term. Timing        | 11/7/21    | 80      | 5/7, 6/11     | PP/LP               | FsA     | W     | H  | 6.0       | 1.9 | 57  | 90  | 1559 | 363 | 4.5 |  |
| 2022 | Walworth  | WW03    | East Troy     | 42.81546 | -88.49030 | Rye after soybean | Corn          | Term. Timing        | 11/6/21    | 50      | 5/8, 5/19     | PP/PRE              | FsA     | W     | H  | 6.1       | 1.9 | 40  | 91  | 1299 | 175 | 2.7 |  |
| 2022 | Walworth  | WW04    | East Troy     | 42.81546 | -88.49030 | Rye after soybean | Corn          | Term. Timing        | 11/6/21    | 80      | 5/8, 5/19     | PP/PRE              | FsA     | W     | H  | 6.1       | 1.9 | 40  | 91  | 1299 | 175 | 2.7 |  |
| 2023 | Jefferson | JF13    | Palmyra       | 42.90626 | -88.57834 | Rye after corn    | Soybean       | Term. Timing        | 10/29/22   | 55      | 5/4,5/22      | PP,VE               | KeB     | W     | H  | 7.0       | 1.3 | 78  | 100 | 1061 | 124 | 3.2 |  |
| 2023 | Jefferson | JF14    | Palmyra       | 42.90482 | -88.57834 | Rye after corn    | Soybean       | Term. Timing        | 10/29/22   | 55      | 5/4,5/29      | PP,EP               | KeB     | W     | H  | 7.0       | 1.3 | 78  | 100 | 1061 | 124 | 3.2 |  |
| 2023 | Jefferson | JF15    | Palmyra       | 42.91480 | -88.57293 | Rye after corn    | Soybean       | Term. Timing        | 10/29/22   | 55      | 5/4,5/22      | PP,VE               | KeB     | W     | H  | 7.2       | 2.1 | 75  | 159 | 1276 | 208 | 3.0 |  |
| 2023 | Jefferson | JF16    | Palmyra       | 42.91407 | -88.57263 | Rye after corn    | Soybean       | Term. Timing        | 10/29/22   | 55      | 5/4,5/29      | PP,EP               | KeB     | W     | H  | 7.2       | 2.1 | 75  | 159 | 1276 | 208 | 3.0 |  |
| 2023 | Jefferson | JF17    | Milford       | 43.11088 | -88.84213 | Mix after wheat   | Corn          | N rate: 100 vs. 140 | 8/14/22    | 23      | 5/18          | EP                  | ShB     | W     | H  | 5.8       | 1.7 | 42  | 80  | 866  | 208 | 2.8 |  |
| 2023 | Jefferson | JF18    | Milford       | 43.11158 | -88.84225 | Mix after wheat   | Corn          | N rate: 100 vs. 140 | 8/14/22    | 23      | 5/18          | EP                  | ShB     | W     | H  | 5.8       | 1.7 | 42  | 80  | 866  | 208 | 2.8 |  |
| 2023 | Jefferson | JF19    | Palmyra       | 42.90406 | -88.58089 | Rye after corn    | Corn          | C vs. NC            | 10/27/22   | 43      | 4/27          | PP                  | KeB     | W     | H  | 7.1       | 1.5 | 52  | 104 | 1122 | 175 | 3.1 |  |
| 2023 | Jefferson | JF20    | Palmyra       | 42.90284 | -88.57945 | Rye after corn    | Soybean       | C vs. NC            | 10/27/22   | 43      | 4/27          | PP                  | KeB     | W     | H  | 7.0       | 1.5 | 105 | 117 | 1182 | 144 | 4.1 |  |
| 2023 | Racine    | RC07    | Rochester     | 42.73147 | -88.22292 | Rye after corn    | Soybean       | Rate: 50 vs. 100    | 12/4/22    | 50, 100 | 5/27          | PRE                 | FsA     | W     | H  | 5.9       | 1.9 | 147 | 192 | 1223 | 256 | 4.4 |  |
| 2023 | Racine    | RC08    | Rochester     | 42.72768 | -88.22557 | Rye after corn    | Soybean       | Term. Timing        | 12/4/22    | 50      | 5/18,5/27     | PP, PRE             | FsB     | W     | H  | 6.6       | 2.1 | 52  | 104 | 1501 | 401 | 4.8 |  |
| 2023 | Racine    | RC09    | Rochester     | 42.72859 | -88.22557 | Rye after corn    | Soybean       | Term. Timing        | 12/4/22    | 80      | 5/18,5/27     | PP, PRE             | FsB     | W     | H  | 6.6       | 2.1 | 52  | 104 | 1501 | 401 | 4.8 |  |
| 2023 | Racine    | RC10    | Kansasville   | 42.75354 | -88.15275 | Rye after corn    | Soybean       | Rate: 50 vs. 80     | 11/23/22   | 50, 80  | 5/20          | PRE                 | EtB     | SP    | H  | 6.4       | 5.0 | 53  | 124 | 3216 | 672 | 9.3 |  |
| 2023 | Racine    | RC11    | Waterford     | 42.77359 | -88.15383 | Rye after soybean | Corn          | Rate: 40 vs. 80     | 12/5/22    | 40, 80  | 5/10          | PRE                 | MgA     | SP    | H  | 7.1       | 3.3 | 345 | 249 | 2371 | 600 | 3.3 |  |
| 2023 | Racine    | RC12    | Waterford     | 42.77492 | -88.15392 | Rye after soybean | Corn          | Rate: 40 vs. 80     | 12/5/22    | 40, 80  | 5/10          | PRE                 | ATA     | P     | M  | 6.2       | 4.8 | 48  | 125 | 2429 | 646 | 6.4 |  |
| 2023 | Walworth  | WW05    | East Troy     | 42.81546 | -88.49030 | Rye after corn    | Soybean       | Term. Timing        | 12/3/22    | 50      | 5/5,6/3       | PP, EP              | FsA     | W     | H  | 6.0       | 2.6 | 56  | 62  | 1355 | 303 | 4.3 |  |
| 2023 | Walworth  | WW06    | East Troy     | 42.81546 | -88.49030 | Rye after corn    | Soybean       | Term. Timing        | 12/3/22    | 80      | 5/5,6/3       | PP, EP              | FsA     | W     | H  | 6.0       | 2.6 | 56  | 62  | 1355 | 303 | 4.3 |  |
| 2023 | Walworth  | WW07    | East Troy     | 42.81433 | -88.48084 | Rye after soybean | Corn          | Term. Timing        | 10/30/22   | 50      | 5/13,5/20     | PRE, EP             | FsA     | W     | H  | 6.2       | 1.9 | 64  | 99  | 1367 | 178 | 3.2 |  |

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Table 1. Cont.

|      |           | Site ID | Location    |          |           | System            | Response               |                    | Cover crop |        |               |         | Soil***             |              |            | Soil test |        |     |     |      |     |       |     |       |
|------|-----------|---------|-------------|----------|-----------|-------------------|------------------------|--------------------|------------|--------|---------------|---------|---------------------|--------------|------------|-----------|--------|-----|-----|------|-----|-------|-----|-------|
| Year | County    |         | City        | Lat.     | Long.     |                   | Crop                   | Comparison*        | Planting   |        | Termination** |         | Type                | Drain. Class | Yield Pot. | pH        | OM (%) | P   | K   | Ca   | Mg  | S     |     |       |
|      |           |         |             |          |           |                   |                        |                    | Date       | Rate*  | Date          | Timing* |                     |              |            |           |        |     |     |      |     |       |     |       |
|      |           |         |             |          |           |                   |                        |                    |            |        |               |         |                     |              |            |           |        |     |     |      |     | ----- | ppm | ----- |
| 2023 | Walworth  | WW08    | East Troy   | 42.81442 | -88.48048 | Rye after soybean | Corn                   | Term. Timing       | 10/30/22   | 80     | 5/13,5/20     | PRE, EP | FsA                 | W            | H          | 6.2       | 1.9    | 64  | 99  | 1367 | 178 | 3.2   |     |       |
| 2023 | Walworth  | WW09    | East Troy   | 42.81153 | -88.48771 | Rye after corn    | Soybean                | Term. Timing       | 12/3/22    | 55     | 5/5,5/23      | PP, VE  | FsA                 | W            | H          | 6.1       | 2.3    | 41  | 108 | 1483 | 242 | 3.1   |     |       |
| 2023 | Walworth  | WW10    | East Troy   | 42.81151 | -88.48714 | Rye after corn    | Soybean                | Term. Timing       | 12/3/22    | 55     | 5/5,5/30      | PP, EP  | FsA                 | W            | H          | 6.1       | 2.3    | 41  | 108 | 1483 | 242 | 3.1   |     |       |
| 2024 | Dodge     | DG10    | Beaver Dam  | 43.42410 | -88.78054 | Rye after corn    | Soybean                | Rate: 28 vs. 56    | 11/14/23   | 28, 56 | 5/15          | EP      | PtA                 | W            | H          | 7.4       | 3.8    | 43  | 187 | 1924 | 437 |       |     |       |
| 2024 | Jefferson | JF21    | Palmyra     | 42.90995 | -88.57300 | Rye after corn    | Soybean                | Term. Timing       | 10/23/23   | 55     | 4/30,5/13     | PP, VE  | FsB                 | W            | H          | 7.2       | 1.6    | 153 | 172 | 897  | 124 |       |     |       |
| 2024 | Jefferson | JF22    | Palmyra     | 42.90989 | -88.57456 | Rye after corn    | Soybean                | Term. Timing       | 10/23/23   | 55     | 4/30, 5/20    | PP, EP  | FsB                 | W            | H          | 7.4       | 1.5    | 167 | 193 | 921  | 126 |       |     |       |
| 2024 | Jefferson | JF23    | Palmyra     | 42.90111 | -88.58900 | Rye after corn    | Soybean                | Term. Timing       | 10/23/23   | 55     | 4/30,5/13     | PP, VE  | SoC2                | W            | H          | 7.4       | 2.1    | 43  | 118 | 1275 | 274 |       |     |       |
| 2024 | Jefferson | JF24    | Palmyra     | 42.90095 | -88.58770 | Rye after corn    | Soybean                | Term. Timing       | 10/23/23   | 55     | 4/30, 5/20    | PP, EP  | SoC2                | W            | H          | 7.4       | 2.2    | 45  | 131 | 1240 | 260 |       |     |       |
| 2024 | Jefferson | JF25    | Milford     | 43.13665 | -88.85192 | Mix after wheat   | Corn                   | N rate: 80 vs. 120 | 8/1/23     | 23     | 4/25          | PP      | SbB                 | W            | H          | 7.1       | 1.8    | 83  | 96  | 889  | 226 |       |     |       |
| 2024 | Jefferson | JF26    | Milford     | 43.13645 | -88.85557 | Mix after wheat   | Corn                   | N rate: 80 vs. 120 | 8/1/23     | 23     | 4/25          | PP      | SbB                 | W            | H          | 7.1       | 1.9    | 94  | 103 | 896  | 239 |       |     |       |
| 2024 | Jefferson | JF29    | Palmyra     | 42.84321 | -88.61214 | Rye after soybean | Corn                   | Rate: 28 vs. 56    | 10/22/23   | 28, 56 | 5/17          | PRE     | MvB                 | MW           | S          | 6.9       | 1.4    | 90  | 166 | 855  | 173 |       |     |       |
| 2024 | Jefferson | JF30    | Palmyra     | 42.90394 | -88.58076 | Rye after soybean | Corn                   | C vs. NC, High N   | 11/1/23    | 40     | 4/25          | PP      | KeB                 | W            | H          | 6.7       | 1.9    | 80  | 148 | 1150 | 149 |       |     |       |
| 2024 | Jefferson | JF31    | Palmyra     | 42.90415 | -88.57976 | Rye after corn    | Soybean                | C vs. NC           | 11/1/23    | 40     | 4/25          | PP      | KeB                 | W            | H          | 7.0       | 1.5    | 66  | 142 | 880  | 167 |       |     |       |
| 2024 | Jefferson | JF32    | Palmyra     | 42.90448 | -88.57993 | Rye after soybean | Corn                   | C vs. NC, Usual N  | 11/1/23    | 40     | 4/25          | PP      | KeB                 | W            | H          | 6.7       | 1.9    | 80  | 148 | 1150 | 149 |       |     |       |
| 2024 | Jefferson | JF33    | Palmyra     | 42.90944 | -88.56768 | Rye after corn    | Soybean                | Term. Timing       | 11/2/23    | 55     | 4/30,5/13     | PP, VE  | WmA                 | SP           | M          | 7.2       | 1.7    | 37  | 76  | 987  | 164 |       |     |       |
| 2024 | Jefferson | JF34    | Palmyra     | 42.91003 | -88.56787 | Rye after corn    | Soybean                | Term. Timing       | 11/2/23    | 55     | 4/30, 5/20    | PP, EP  | WmA                 | SP           | M          | 7.0       | 1.6    | 43  | 82  | 913  | 142 |       |     |       |
| 2024 | Racine    | RC13    | Rochester   | 42.73147 | -88.22292 | Rye after soybean | Soybean <sup>(1)</sup> | Rate: 50 vs. 80    | 11/15/23   | 50, 80 | 6/14          | PRE     | FsA                 | W            | H          | 6.5       | 1.8    | 128 | 150 | 1018 | 302 |       |     |       |
| 2024 | Racine    | RC14    | Rochester   | 42.73344 | -88.22166 | Rye after soybean | Soybean <sup>(1)</sup> | Rate: 50 vs. 80    | 11/15/23   | 50, 80 | 6/14          | PRE     | FsA                 | W            | H          | 6.1       | 2.0    | 18  | 88  | 887  | 238 |       |     |       |
| 2024 | Racine    | RC16    | Kansasville | 42.74117 | -88.15644 | Rye after wheat   | Soybean                | Rate: 28 vs. 56    | 10/2/23    | 28, 56 | 5/20          | PP      | AtA                 | P            | M          | 6.2       | 2.9    | 20  | 107 | 919  | 263 |       |     |       |
| 2024 | Racine    | RC20    | Rochester   | 42.73203 | -88.22414 | Rye after soybean | Soybean <sup>(1)</sup> | Rate: 28 vs. 56    | 11/15/23   | 28, 56 | 6/14          | PRE     | FsA                 | W            | H          | 6.6       | 2.0    | 139 | 141 | 1104 | 333 |       |     |       |
| 2024 | Walworth  | WW11    | East Troy   | 42.81546 | -88.49030 | Rye after soybean | Corn                   | Term. Timing       | 10/23/23   | 50     | 4/25,5/12     | PP,PRE  | FsA                 | W            | H          | 6.4       | 2.5    | 45  | 59  | 1222 | 361 |       |     |       |
| 2024 | Walworth  | WW12    | East Troy   | 42.81577 | -88.49037 | Rye after soybean | Corn                   | Term. Timing       | 10/23/23   | 80     | 4/25,5/12     | PP,PRE  | FsA                 | W            | H          | 6.5       | 2.6    | 48  | 68  | 1267 | 370 |       |     |       |
| 2024 | Walworth  | WW13    | East Troy   | 42.81433 | -88.48084 | Rye after corn    | Soybean                | Term. Timing       | 11/25/23   | 50     | 5/2,5/12      | PP,PRE  | FsA                 | W            | H          | 6.6       | 2.1    | 44  | 97  | 1207 | 184 |       |     |       |
| 2024 | Walworth  | WW14    | East Troy   | 42.81437 | -88.48017 | Rye after corn    | Soybean                | Term. Timing       | 11/25/23   | 80     | 5/2,5/12      | PP,PRE  | FsA                 | W            | H          | 6.5       | 2.1    | 58  | 101 | 1262 | 195 |       |     |       |
| 2024 | Walworth  | WW15    | East Troy   | 42.81432 | -88.47961 | Rye after corn    | Soybean                | Term. Timing       | 11/25/23   | 55     | 5/2,5/20      | PP,EP   | FsA                 | W            | H          | 6.1       | 2.1    | 29  | 85  | 1079 | 147 |       |     |       |
| 2024 | Walworth  | WW16    | East Troy   | 42.81407 | -88.47971 | Rye after corn    | Soybean                | Term. Timing       | 11/25/23   | 55     | 5/2,5/29      | PP,LP   | FsA                 | W            | H          | 6.1       | 2.1    | 29  | 83  | 992  | 135 |       |     |       |
| 2024 | Walworth  | WW17    | East Troy   | 42.81256 | -88.48765 | Rye after soybean | Corn                   | N rate (+ 40 lb.)  | 10/23/23   | 55     | 4/25          | PP      | FsA                 | W            | H          | 6.3       | 2.0    | 34  | 61  | 1222 | 222 |       |     |       |
| 2024 | Walworth  | WW18    | East Troy   | 42.81407 | -88.48769 | Rye after soybean | Corn                   | N rate (+ 40 lb.)  | 10/23/23   | 55     | 5/11          | PRE     | FsA                 | W            | H          | 6.4       | 2.1    | 32  | 67  | 1140 | 194 |       |     |       |
| 2024 | Walworth  | WW19    | Walworth    | 42.48865 | -88.66716 | Rye after corn    | Soybean                | Rate: 28 vs. 56    | 11/28/23   | 28, 56 | 5/1           | PRE     | 624B <sup>(3)</sup> | W            | H          | 6.0       | 2.3    | 26  | 97  | 1355 | 471 |       |     |       |
| 2024 | Walworth  | WW21    | East Troy   | 42.81190 | -88.48716 | Rye after soybean | Corn                   | Rate: 28 vs. 56    | 10/23/23   | 28, 56 | 5/2           | PP      | FsA                 | W            | H          | 6.4       | 2.2    | 35  | 63  | 1402 | 294 |       |     |       |
| 2024 | Walworth  | WW22    | East Troy   | 42.81383 | -88.47961 | Rye after corn    | Soybean                | Rate: 28 vs. 56    | 11/25/23   | 28, 56 | 5/13          | PP      | FsB                 | W            | H          | 6.4       | 2.1    | 29  | 81  | 1353 | 305 |       |     |       |

\*Rates expressed in lb./acre.

\*\*Termination codes: PP, preplant; PRE, preemergence; VE, at emergence; EP, early post emergence (&lt; 1 week); LP, late post emergence (&gt;1 week).

\*\*\* Soil codes, Drainage class: W, well; SP, somewhat poorly; P, poorly; VP, very poorly. Yield potential: H, high; M, medium; S, sandy.

C vs. NC, cover vs. no cover, no cover management treatment comparison.

1). Second year soybean, late planting forced switch from corn, all management activities delayed.

2). N rate: In-season application rate, evaluating a potential N credit to cover crop.

3). Caprell silt loam.