Supplementary Table 1. Effect of soybean growth stage at the time of exposure to 2,4-Dat 140 g ae ha-1 on visually evaluated injury 7, 14, 21, and 28 d after treatment (DAT), plant height, and grain yield from experiments conducted in Mississippi and Arkansas from 2012 to 2013.

|  |  |  |  |
| --- | --- | --- | --- |
| Treatment timing | DAT |  |  |
| Growth stagea | GDDb | 7 | 14 | 21 | 28 | Plant height | Grain yield |
|  |  | % Injury | % of NTC |
| VC | 313 | 10 | 20 | 15 | 11 | 91 | 106\* |
| V1 | 326 | 13 | 1\* | 3\* | 3\* | 103\* | 104\* |
| V2 | 501 | 21 | 18 | 13 | 11 | 98\* | 102\* |
| V3 | 598 | 18 | 17 | 10 | 13 | 94\* | 90 |
| V4 | 762 | 18 | 18 | 18 | 16 | 93\* | 92\* |
| V5 | 1006 | 19 | 7\* | 14 | 20 | 99\* | 115\* |
| V6 | 1021 | 13 | 13 | 14 | 12 | 99\* | 109\* |
| R1 | 1059 | 20 | 20 | 16 | 16 | 93\* | 98\* |
| R2 | 1513 | 22  | 22 | 16 | 14 | 92\* | 97\* |
| R3 | 1641 | 21 | 25 | 17 | 17 | 92\* | 92\* |
| R4 | 1937 | 14 | 11 | 14 | 9 | 91 | 96\* |
| R5 | 2244 | 2\*c | 3\* | 2\* | 0\* | 99\* | 101\* |
| R5.5 | 2492 | 15 | 2\* | 1\* | 1\* | 99\* | 96\* |
| R6 | 2620 | 4\* | 3\* | 2\* | NAd | 101\* | 103\* |
| R6.5 | 2912 | 3\* | 0\* | 2\* | NA | 106\* | 104\* |
| R7 | 2935 | 9\* | 7\* | 6\* | NA | 103\* | 98\* |

aSoybean growth stages as described by Fehr and Caviness (1977).

bGrowing degree days (base temperature = 10 C) accumulated from planting date averaged across six site-years.

cAsterisk signifies mean is not different from the NTC at α = 0.05.

dPlots were harvested before evaluation interval.

Supplementary Table 2. Effect of soybean growth stage at the time of exposure to dicamba at 8.8 g ae ha-1 on visually evaluated injury 7, 14, 21, and 28 d after treatment (DAT), plant height, and grain yield from experiments conducted in Mississippi and Arkansas from 2012 to 2013.

|  |  |  |  |
| --- | --- | --- | --- |
| Treatment timing | DAT |  |  |
| Growth stagea | GDDb | 7 | 14 | 21 | 28 | Plant height | Grain yield |
|  |  | % Injury | % of NTC |
| VC | 313 | 19 | 38 | 28 | 34 | 85c | 86 |
| V1 | 326 | 36 | 37 | 37 | 32 | 89 | 91\* |
| V2 | 501 | 22 | 39 | 40 | 32 | 83 | 83 |
| V3 | 598 | 28 | 40 | 43 | 35 | 79 | 77 |
| V4 | 762 | 24 | 37 | 40 | 41 | 71 | 62 |
| V5 | 1006 | 23 | 38 | 44 | 46 | 67 | 77 |
| V6 | 1021 | 16 | 27 | 34 | 37 | 62 | 51 |
| R1 | 1059 | 23 | 34 | 38 | 41 | 53 | 57 |
| R2 | 1513 | 21 | 25 | 29 | 31 | 72 | 67 |
| R3 | 1641 | 16 | 20 | 22 | 23 | 82 | 72 |
| R4 | 1937 | 7\*c | 10 | 14 | 12 | 92 | 79 |
| R5 | 2244 | 3\* | 3\* | 4\* | 3\* | 97\* | 94\* |
| R5.5 | 2492 | 7\* | 1\* | 0\* | 9 | 97\* | 91\* |
| R6 | 2620 | 2\* | 1\* | 0\* | 1\* | 98\* | 100\* |
| R6.5 | 2912 | 2\* | 1\* | 2\* | NAd | 96\* | 92\* |
| R7 | 2935 | 4\* | 3\* | 3\* | NA | 96\* | 99\* |

aSoybean growth stages as described by Fehr and Caviness (1977).

bGrowing degree days (base temperature = 10 C) accumulated from planting date averaged across six site-years.

cAsterisk signifies mean is not different from the NTC at α = 0.05.

dPlots were harvested before evaluation interval.