**Supplemental table 1**. Effect of various crop management practices on weedy rice infestation, Arkansas and surrounding locales, USA, 2020.

|  |  |  |  |
| --- | --- | --- | --- |
| Term1 |   |   | Confidence interval |
| Standard Error | Prob >X2 | Lower 95% | Upper 95%­­ |
| Intercept | 0.710066 | 0.093 | -0.199105 | 2.5843024 |
| Postharvest activity [incorp straw vs. rice straw + flood] | 0.537788 | 0.9 | -1.121614 | 0.986476 |
| Postharvest activity [incorp + flood vs. rice straw + flood] | 0 | 1 | 0 | 0 |
| Postharvest activity [rice straw standing vs. rice straw + flood] | 0.9094159 | 0.3034 | -2.718293 | 0.8465523 |
| Tillage practice [no till vs. conv till] | 0.6258273 | 0.0038\* | 0.5823268 | 3.0355249 |
| Tillage practice [stale seedbed vs. conv till] | 0.8622388 | <.0001\* | 1.7509538 | 5.1308676 |
| Planting method [drill seeding vs. water seeding] | 0.207407 | 0.0962 | -0.061507 | 0.7515141 |
| Rotational crop [fallow, rice vs. soybean] | 0.7832874 | 0.0211\* | -3.341394 | -0.270964 |
| Rotational crop [mono rice vs. soybean] | 0.3693361 | 0.0373\* | 0.0453646 | 1.4931356 |
| Preemergence herbicide [none vs. HR herbicide] | 0 | 1 | 0 | 0 |
| Preemergence herbicide [conv vs. HR herbicide] | 0 | 1 | 0 | 0 |
| Postemergence herbicide [conv vs. HR herbicide] | 0.4270347 | 0.2085 | -1.374029 | 0.2999164 |
| CLRice in last five years [2 yrs vs. 5 yrs] | 0.6045168 | 0.8536 | -1.29638 | 1.0732825 |
| CLRice in last five years [3 yrs vs. 5 yrs] | 0.5701403 | 0.4446 | -0.681641 | 1.5532675 |
| CLRice in last five years [4 yrs vs. 5 yrs] | 0.9260736 | 0.7174 | -2.150295 | 1.4798467 |

1 Abbreviations: incorp = incorporate; conv = conventional; CL = Clearfield

**Supplemental table 2**. Crop production practices that could potentially influence weedy rice infestation with respective number of fields reported, weedy rice survey in Arkansas and surrounding locales, USA, 2020.

|  |  |
| --- | --- |
| Management practice | No. of fields |
| Crop rotation |
| Fallow, rice | 5 |
| Monoculture rice | 25 |
| Soybean | 69 |
| Tillage practice |
| No till | 24 |
| Stale seebed | 25 |
| Conventional till | 52 |
| Planting method |
| Drill seeding | 95 |
| Water seeding | 8 |
| Preemergence herbicide |
| None | 28 |
| Herbicides for Clearfield® rice (HR herb) | 3 |
| Conventional herbicides (Conv herb) | 77 |
| Postemergence herbicide |
| Herbicides for Clearfield® or Provisia® rice (HR herb) | 47 |
| Conventional herbicides (Conv herb) | 43 |
| Postharvest activity |
| Incorporate rice straw | 39 |
| Leave rice straw standing | 37 |
| Incorporate rice straw and flood over winter | 15 |
| Leave rice straw standing and flood over winter | 15 |
| Number of years planted CL Rice in the last five years |
| 2 years | 21 |
| 3 years | 17 |
| 4 years | 8 |
| 5 years | 10 |