|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table 2. Summary of muskmelon production using perimeter trap cropping (PTC). Values are means of 4 replicated plots in Iowa.** | | | | |
| **Treatment** | **No PTC** |  | **+PTC** | |
|  | **Muskmelon**  **main crop** |  | **Muskmelon**  **main crop** | **Buttercup perimeter** |
| **Date** |  |  |  |  |
| Plant date | June 17 |  | June 17 | May 26 |
| Imidachloprid drench |  |  |  | May 27 |
| 1. Harvest date(s) | Aug 17 to Sept 2 |  | Aug 17 to Sept 2 | Sept 16 |
| 1. **Number of sprays to control** |  |  |  |  |
| Squash vine borer | 0 |  | 0 | 2 |
| Cucumber beetlesa | 3.75 |  | 0.25 | 4.5 |
|  |  |  |  |  |
| **Percent bacterial wiltb** | 3% |  | 0 | 0 |
|  |  |  |  |  |
| 1. **Yieldc** |  |  |  |  |
| Weight (lbs) | 2695 |  | 2340 | 1812 |
| Number | 415 |  | 362 | 499 |
| a Sprays were based on threshold of one cucumber beetle per plant  b Melon bacterial wilt in the ‘No PTC’ > ‘+PTC’ (*P*=0.10)  c No differences in melon weight and number between treatments  (*P =* 0.41 and *P=*0.57, respectively) | | | | |