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| **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 plantb 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) |