

Comparison of alternative trap designs for stink bugs in sweet corn & apples in Ohio



Celeste Welty & Jim Jasinski
Ohio State University
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Traps for BMSB

- **Still important in ‘fringe’ States!**
- **Lure now worked out by USDA**
- **But what about trap type?**
 - **Black pyramid is standard in fruit**
(but we do not like them!)
 - **No clear standard in veg crops**

Pyramids: black vs yellow



PVC pipe topped by Dead Inn: black vs yellow



PVC pipe topped by Dead Inn: black vs yellow plain vs netted



Also...

**black drainage
pipe w/ Dead Inn**

**& black stove pipe
w/ Unitrap**



**Also in apple...
Dead Inn in tree
& vanned Unitrap in tree**

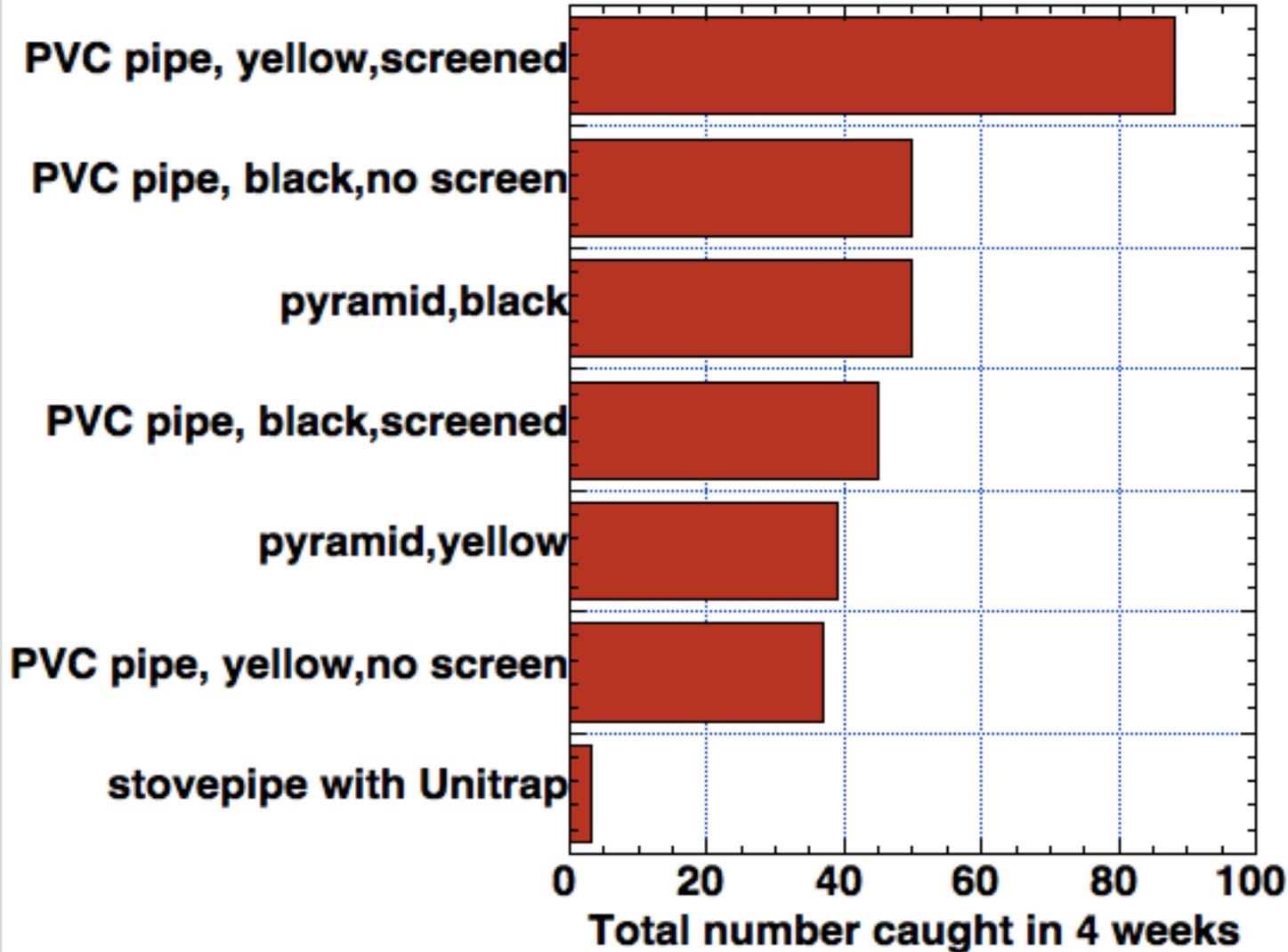


Field trials 2013

- 4 weeks in August
- Trap types not replicated
 - 13 traps in corn
 - 9 traps in apples
- Locations shifted once per week
- Data taken 3 times per week
- All with ARS#20 + MDT lures
- Corn: 2 weeks in 1 early field, then 2 weeks in adjacent later field

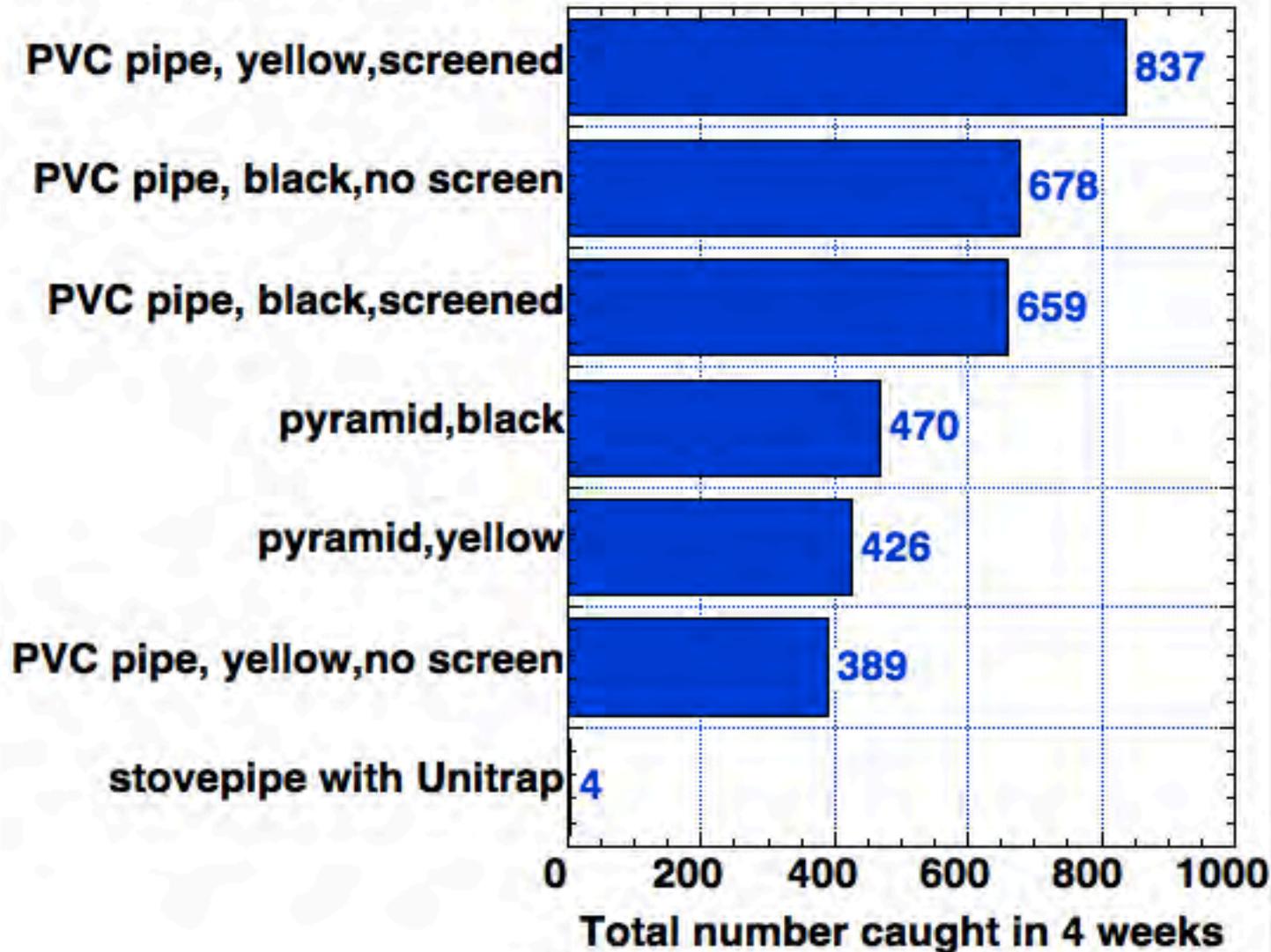


BMSB adults in traps in corn, August 2013



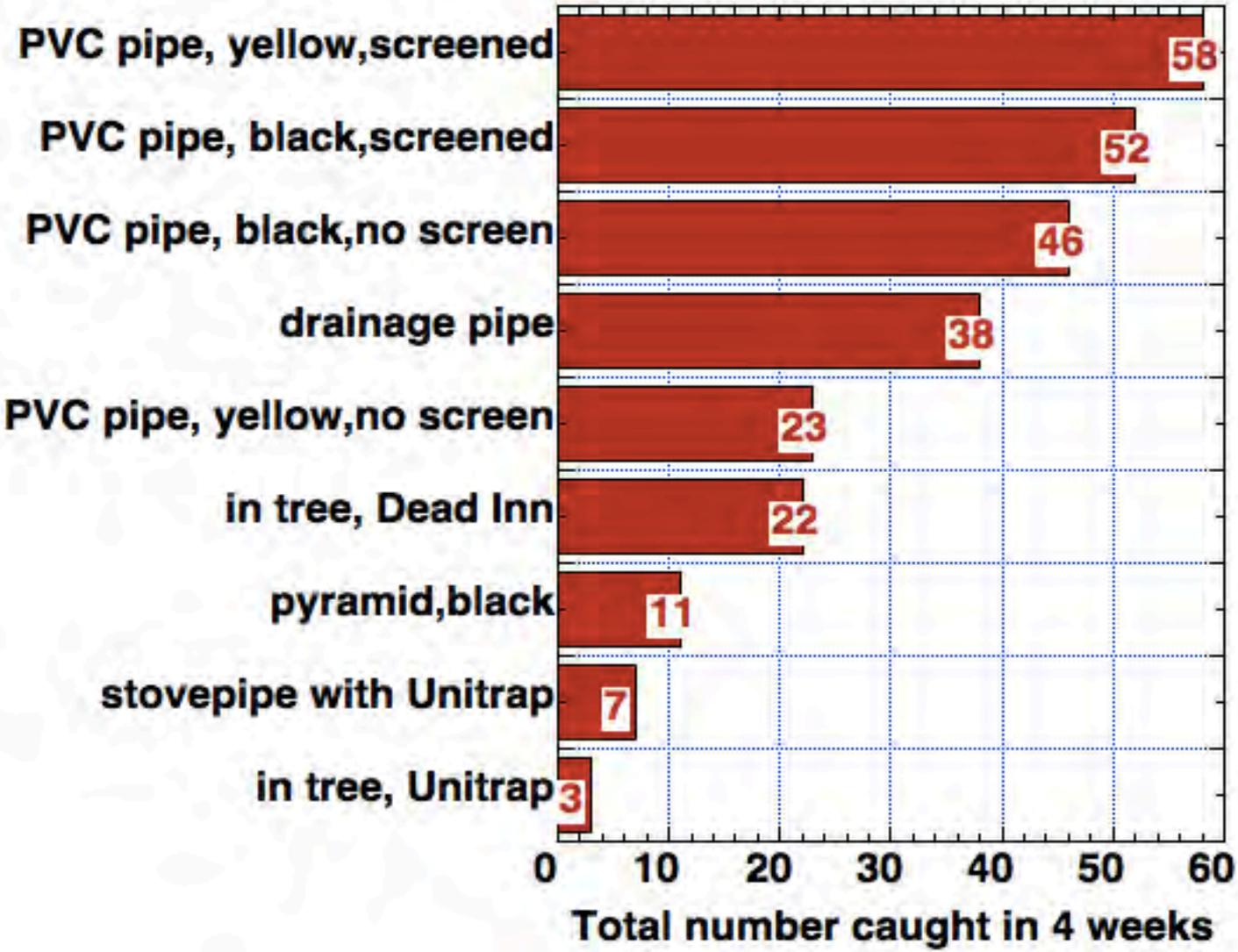


BMSB nymphs in traps in corn, August 2013



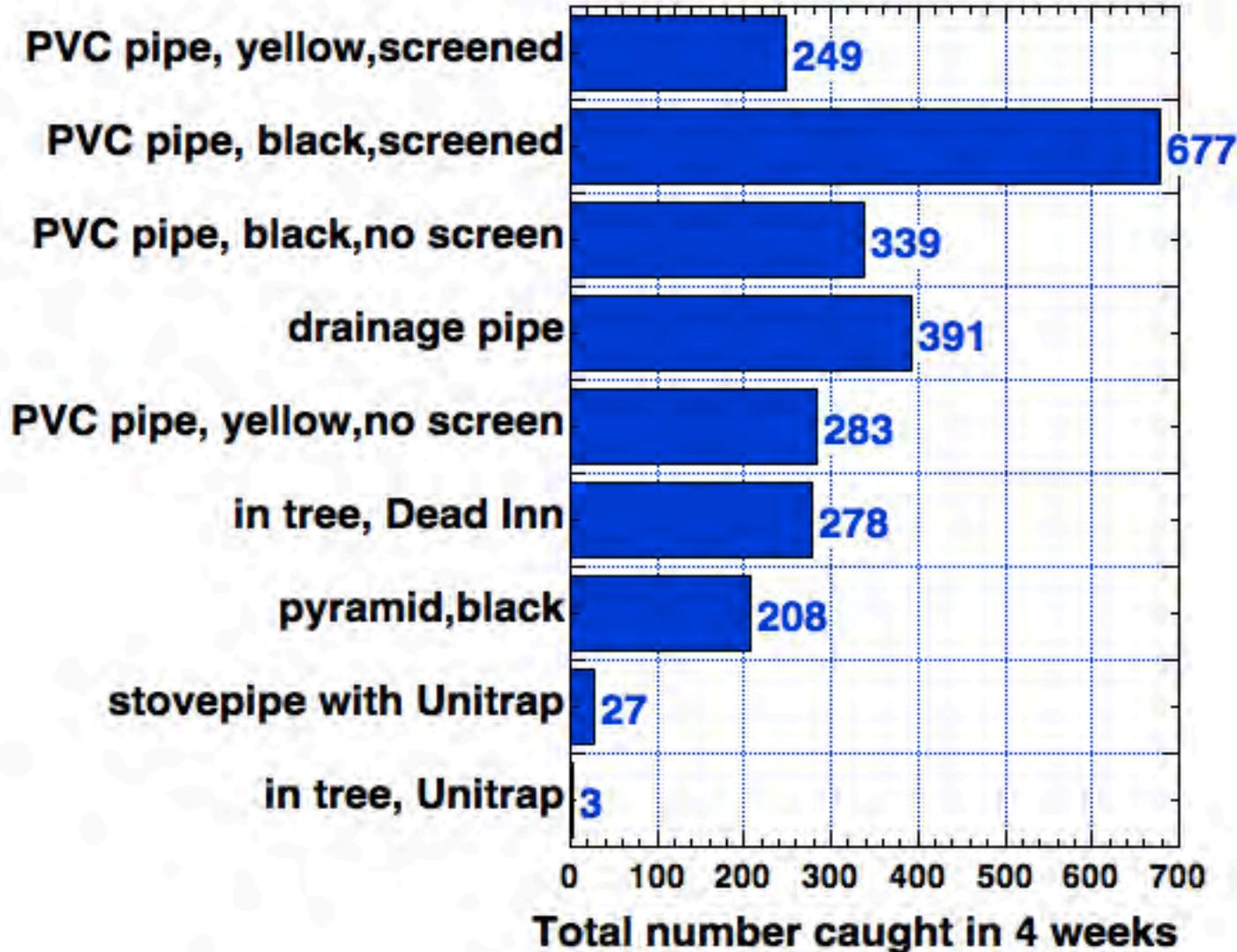


BMSB adults in traps in apples, August 2013





BMSB nymphs in traps in apples, August 2013



Conclusions

- **PVC pipe topped with Dead Inn performed well**
- **Netting increases catch, especially with nymphs**
- **Color (black vs yellow) not critical**