

Managing Codling Moth with Success, Intrepid and Assail

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Insecticide Chemistries

Three chemistries currently registered for use on apple in WA State

- Success – Dow AgroSciences
- Intrepid – Dow AgroSciences
- Assail – Cerexagri, Inc.



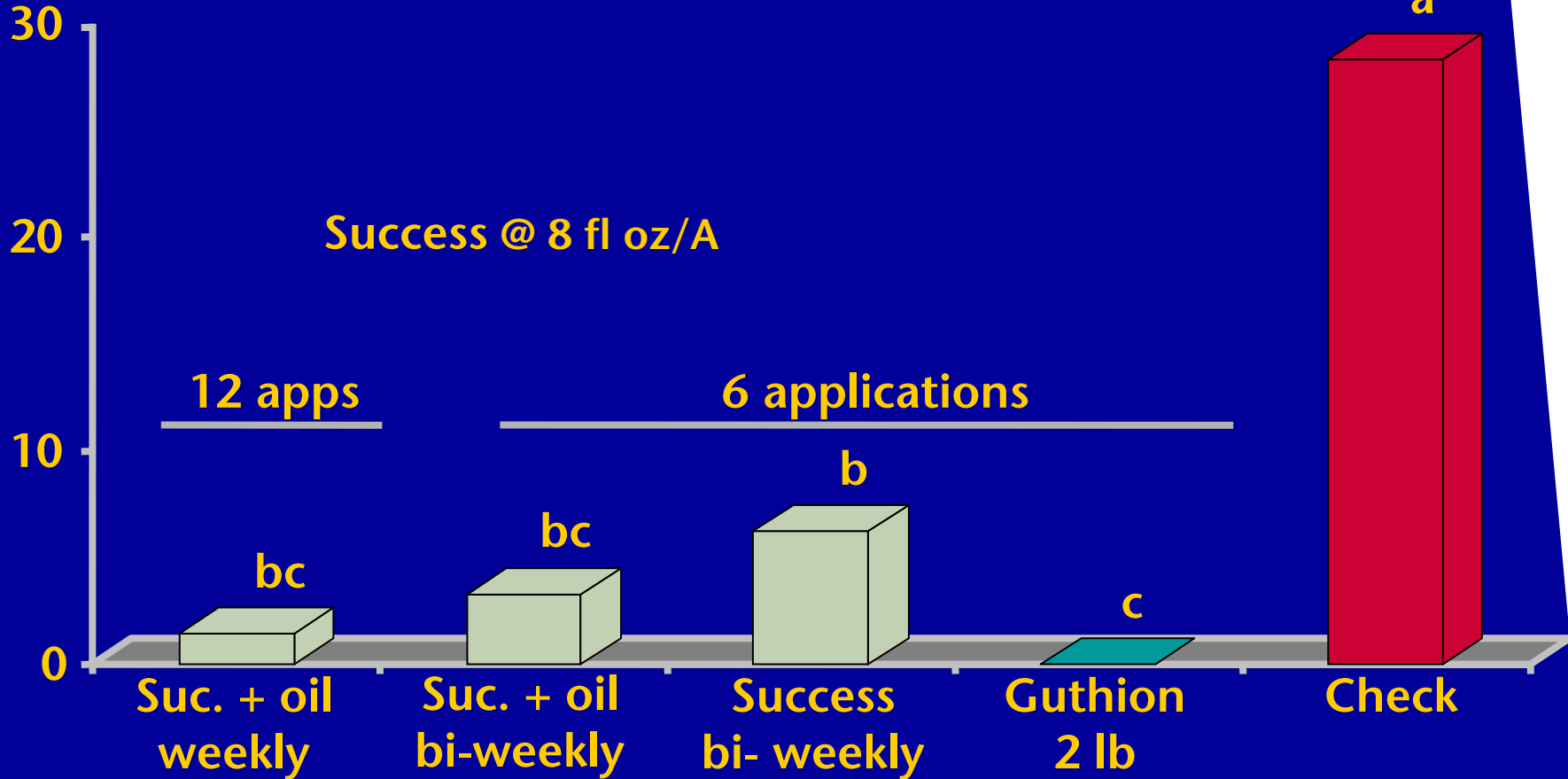
Success (Entrust) – *spinosad*



- Registered on apple in 1998
- Limited use against CM
 - ✓ More effective alternatives available
 - ✓ Conserve for LR control
- Organic formulation

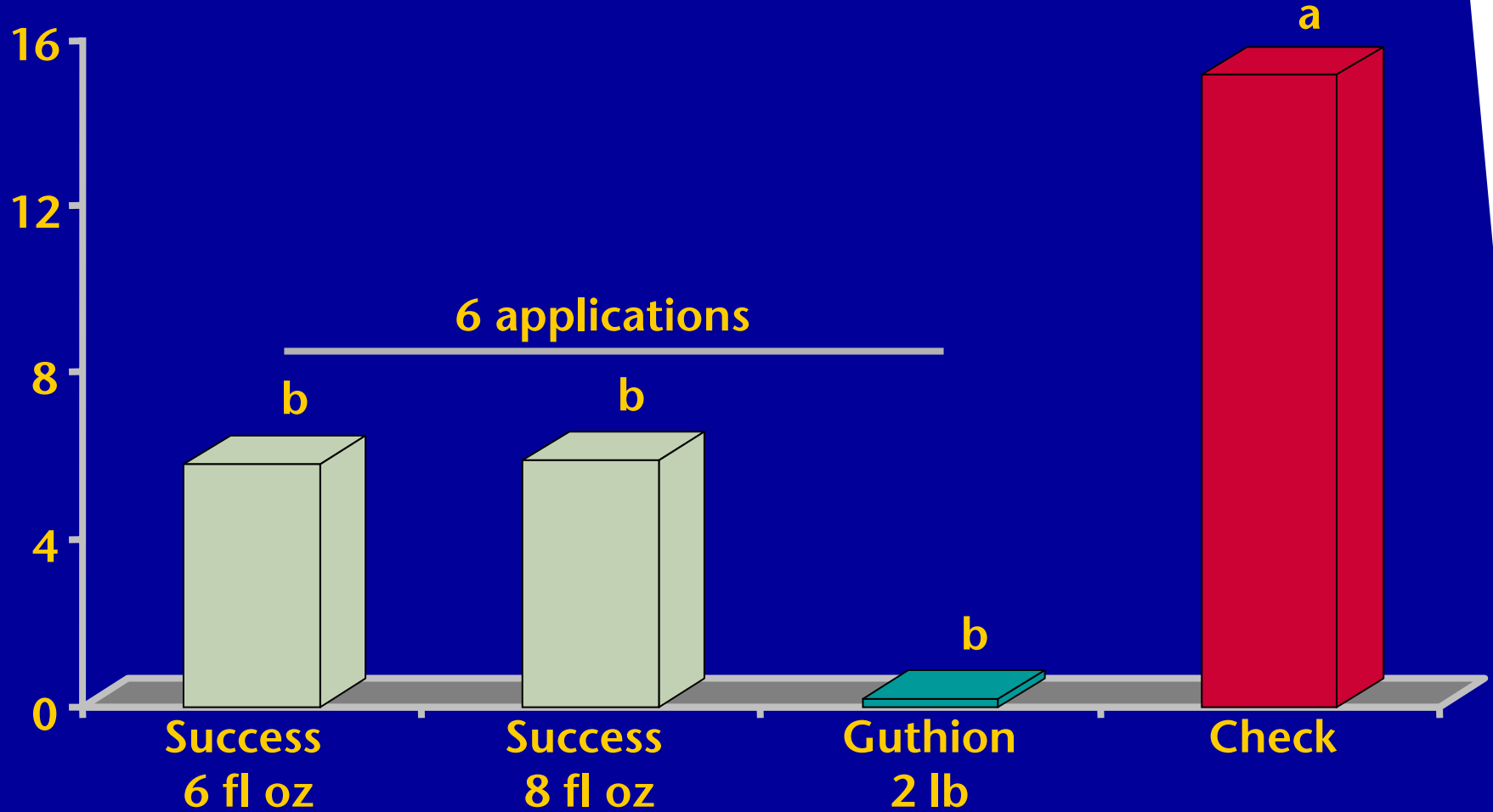
Success – Handgun Trial

Avg % CM Injury



Success – Airblast Trial

Avg % CM Injury



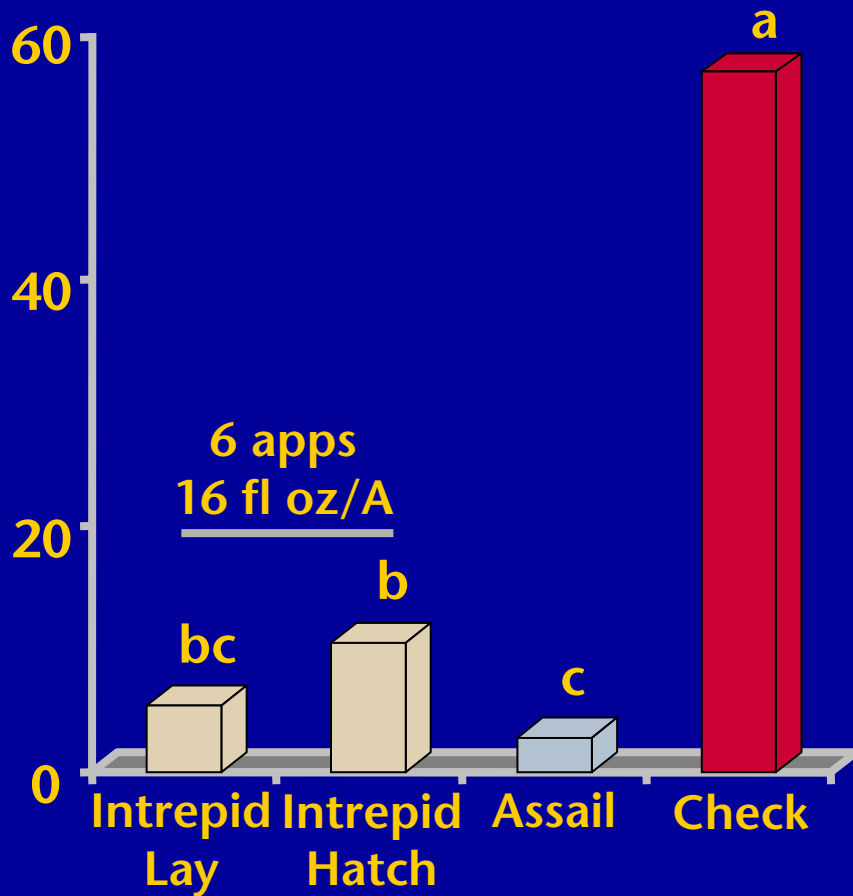
Intrepid – *methoxyfenozide*



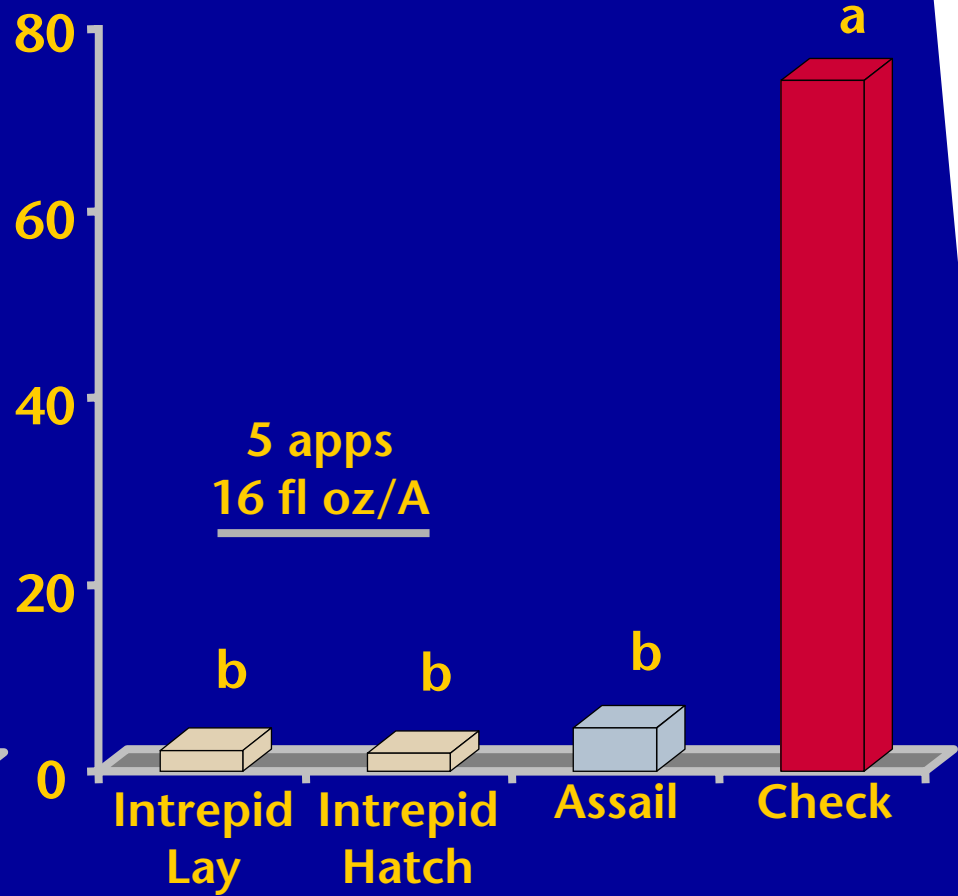
- Registered on apple in 2001
- Used as supplement to MD
- 3 apps/gen at 14 day intervals

Intrepid – Handgun Trials

Avg Entries per 100 Fruit

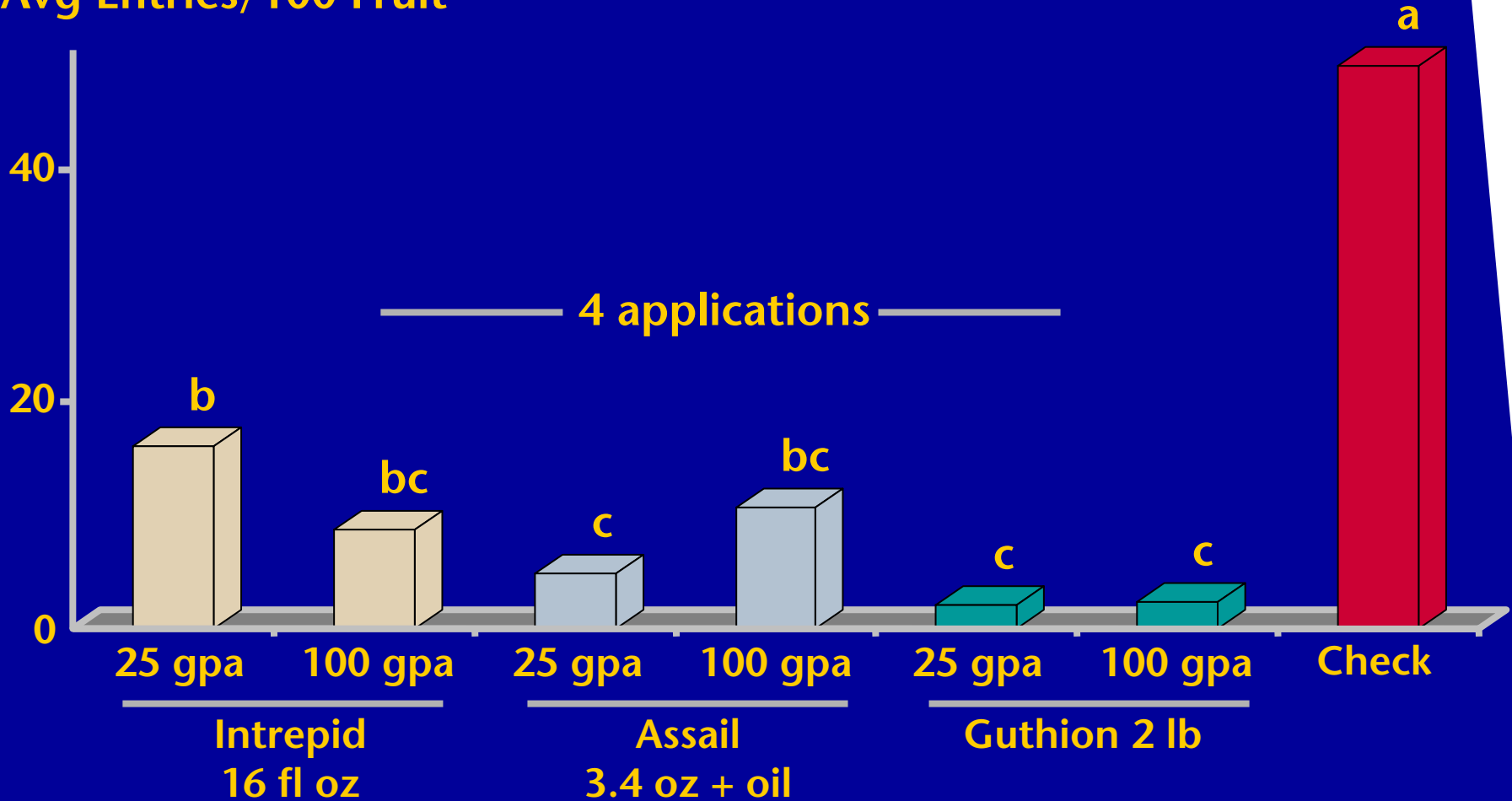


Avg Entries per 100 Fruit



Intrepid, Assail – Airblast Trial

Avg Entries/100 Fruit



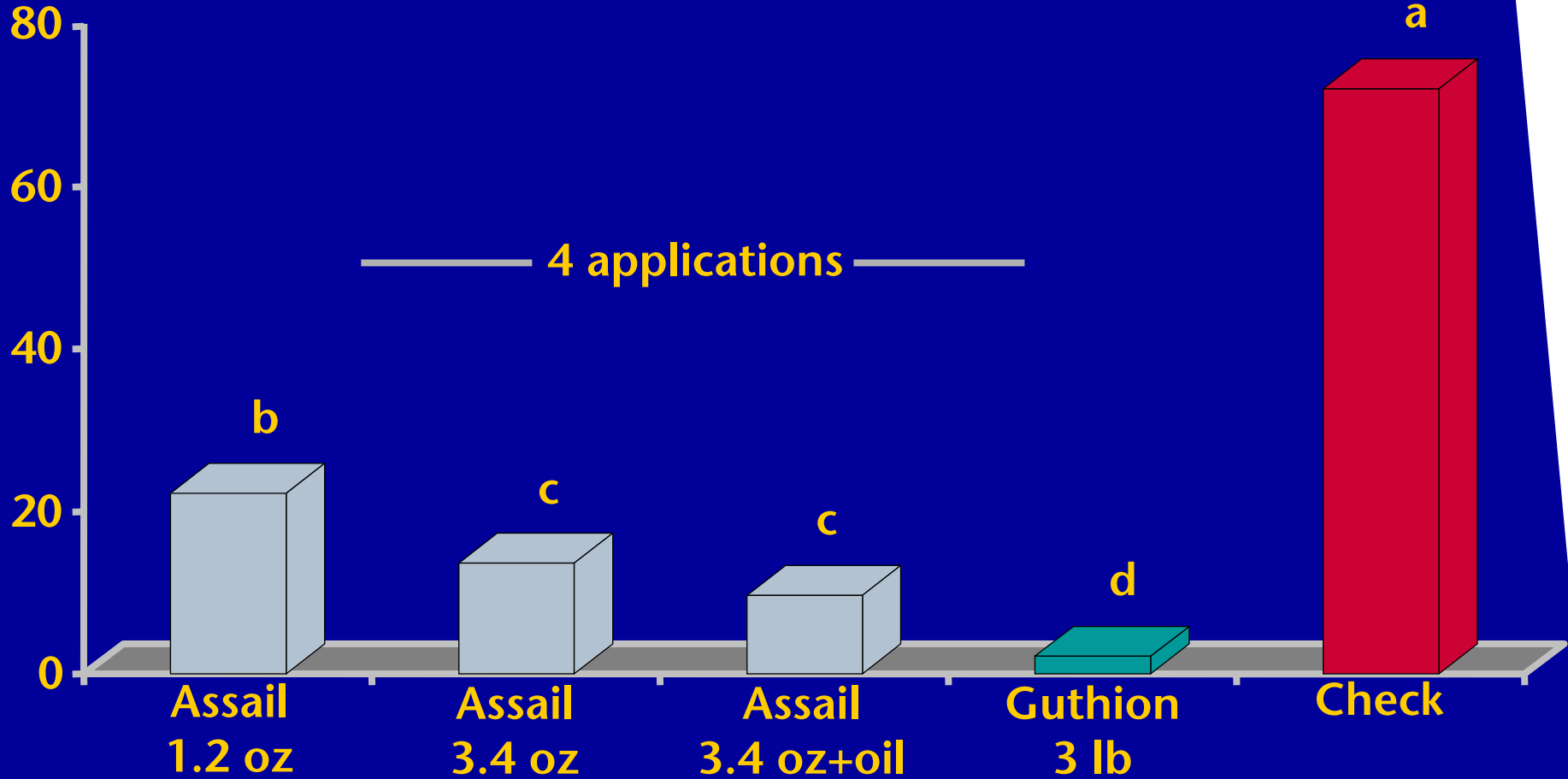
Assail – *acetamiprid*



- Registered for use on apple in 2002
- Most recent CM tool to be registered
- 80-90% reduction in CM injury

Assail – Handgun Trial

Avg % CM injury



Programs in Commercial Orchard

Program 1

Two Intrepid (spr LR)
Four Assail + oil (CM)
Two Success (sum LR)

Program 2

Two Success (spr LR)
Two Assail + oil (1st CM)
Two Intrepid (2nd CM)

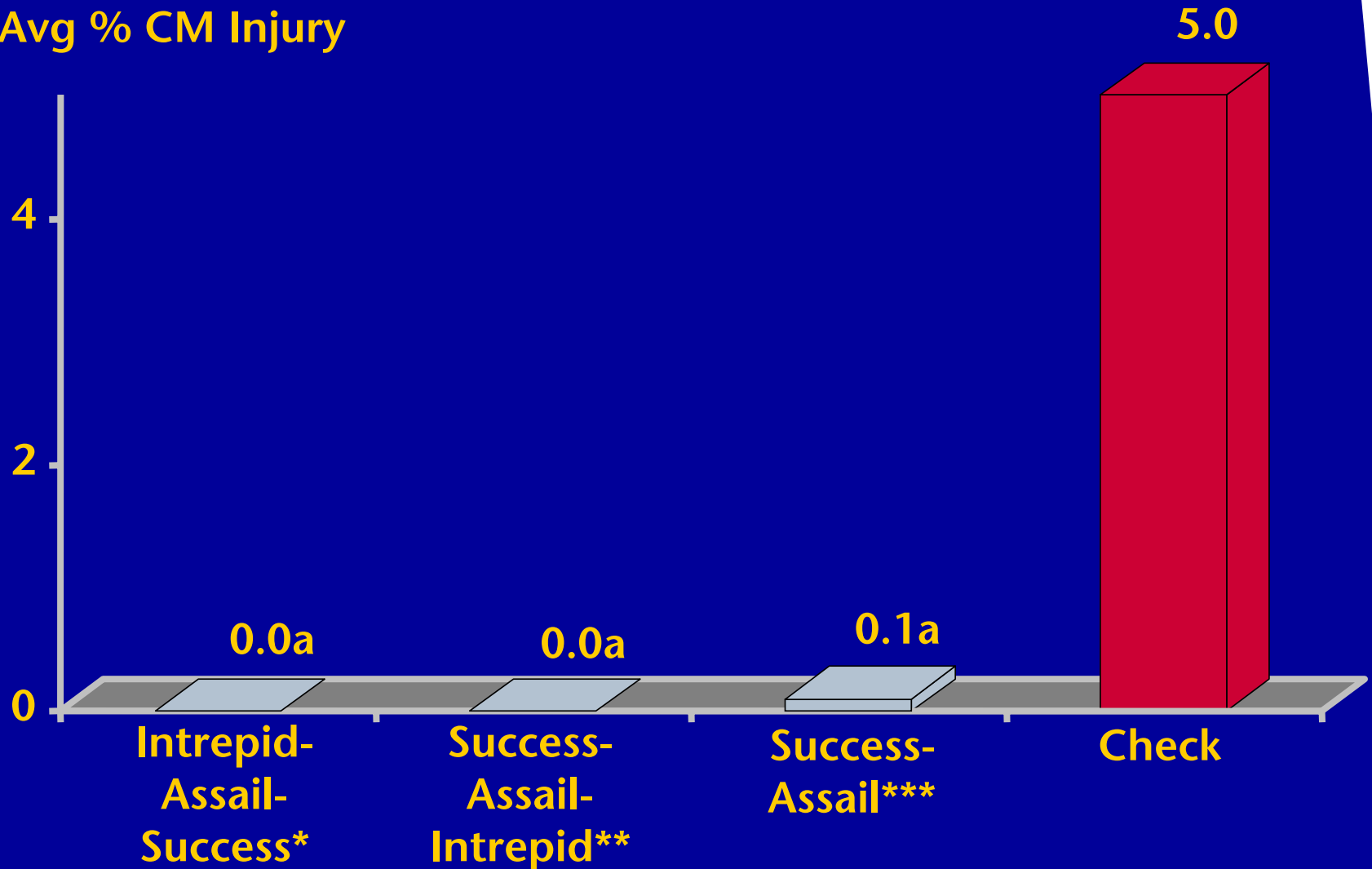
Program 3

Two Success (spr LR)
Four Assail + oil (CM)



Alternative programs – Airblast

Avg % CM Injury



Conclusions

- We can manage codling moth with new insecticide chemistries
- Basic management becomes more important
 - ✓ Monitoring and trapping to optimize application timing
 - ✓ Using correct water volume to achieve good coverage
 - ✓ Using rates that are appropriate to the targeted pest

