

# BIRD REPELLANTS



July 2007

Tom Starkey



*For Commercial, Agricultural and Home Use On Berries, Pome and Stone Fruits, Cereal Grains, Sunflowers, Turf and Ornamentals, Structures, and Non-fish bearing Bodies of Water*

Active ingredient By Wt.

**Methyl anthranilate 26.4%**

**Other ingredients 73.6%**

**Total 100.0%**

This product contains 2.29 lbs. of active ingredient per gallon.

This concentrate has been formulated from food grade ingredients.

# Bird Shield

- ▣ Listed as a bird repellent.
- ▣ Food grade repellent derived from Concord grapes.
- ▣ Also used as a flavoring in candy, sodas, gums, and drugs.
- ▣ Taste and smell irritates their olfactory nerves.
- ▣ Listed as water resistant.



# FLIGHT CONTROL<sup>®</sup> PLUS

## Specimen Label

### Active Ingredient:

9,10-anthraquinone.....	50.00%
Other Ingredients.....	50.00%
Total.....	100.00%

# Flight Control

- ▣ Labeled as a chemical repellant for geese.
- ▣ Creates a digestive irritant and also is visually different to geese than non-treated in UV light range.
- ▣ Advertised as light and water resistant.
- ▣ Odorless in mixture



**Bayer CropScience**

**42-S Thiram Fungicide**

**Contains 4 lbs. thiram per gallon.**

**ACTIVE INGREDIENT:**

Thiram (Tetramethylthiuram disulfide)

.....42%

**INERT INGREDIENTS:**

.....58%

**TOTAL 100.00%**

U.S. Pat. 4,372,080

**EPA Reg. No. 264-929 EPA Est. 7501-ID-1**

# Thiram 42-S

- ▣ Labeld as a fungicide
- ▣ Effective against rodents, mammals (esp. deer).
- ▣ Used as a bird repellent also

# Gowan

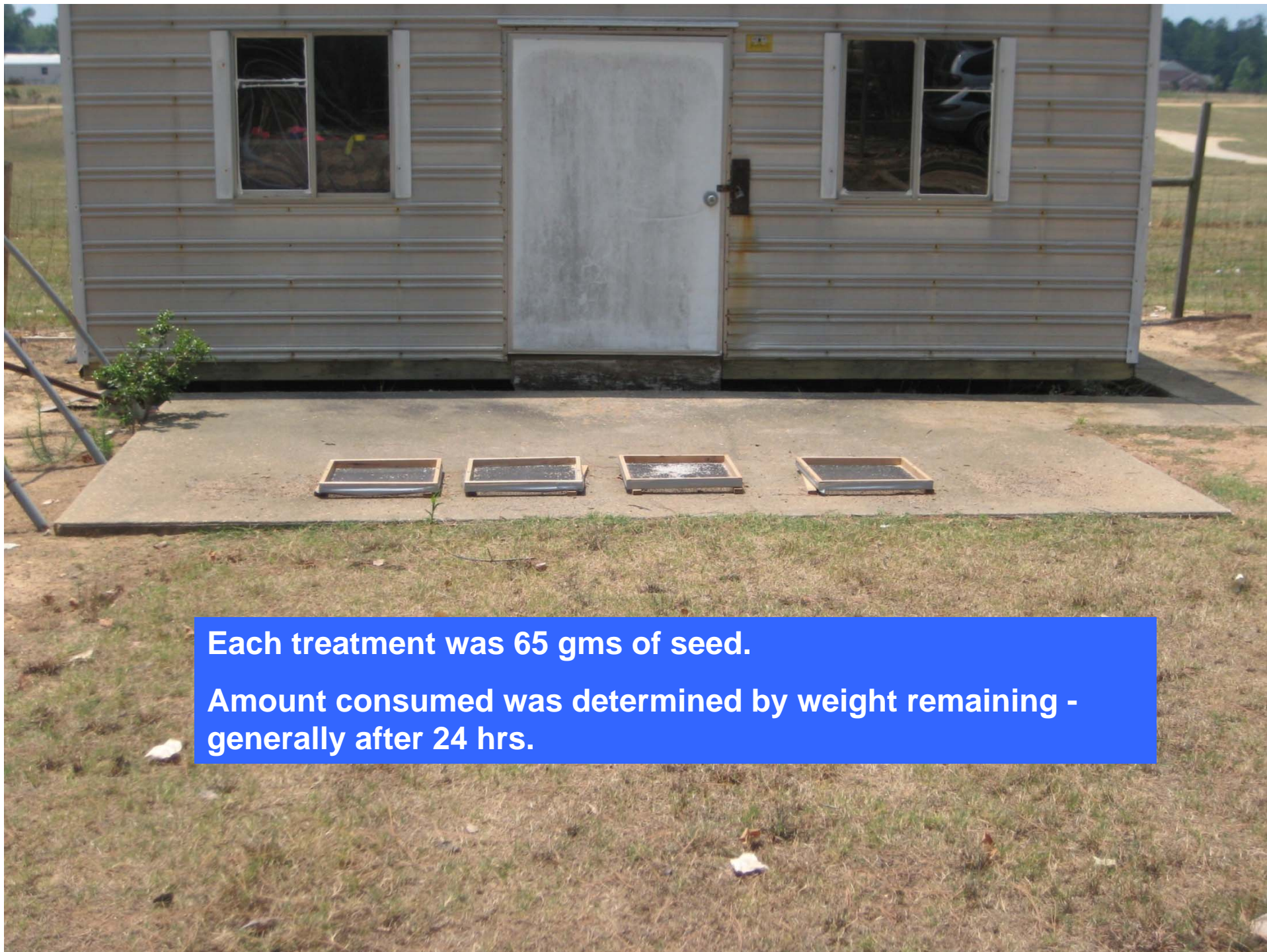
- ▣ GWN-4770
- ▣ To be marketed as a bird repellent
- ▣ Light tan color – no distinct odor



# Birds & Animals Present

- ▣ Doves
- ▣ Woodpecker
- ▣ Cow Birds
- ▣ Crows
- ▣ Finches
- ▣ Hawk
- ▣ Grey Squirrel
- ▣ Fox Squirrel

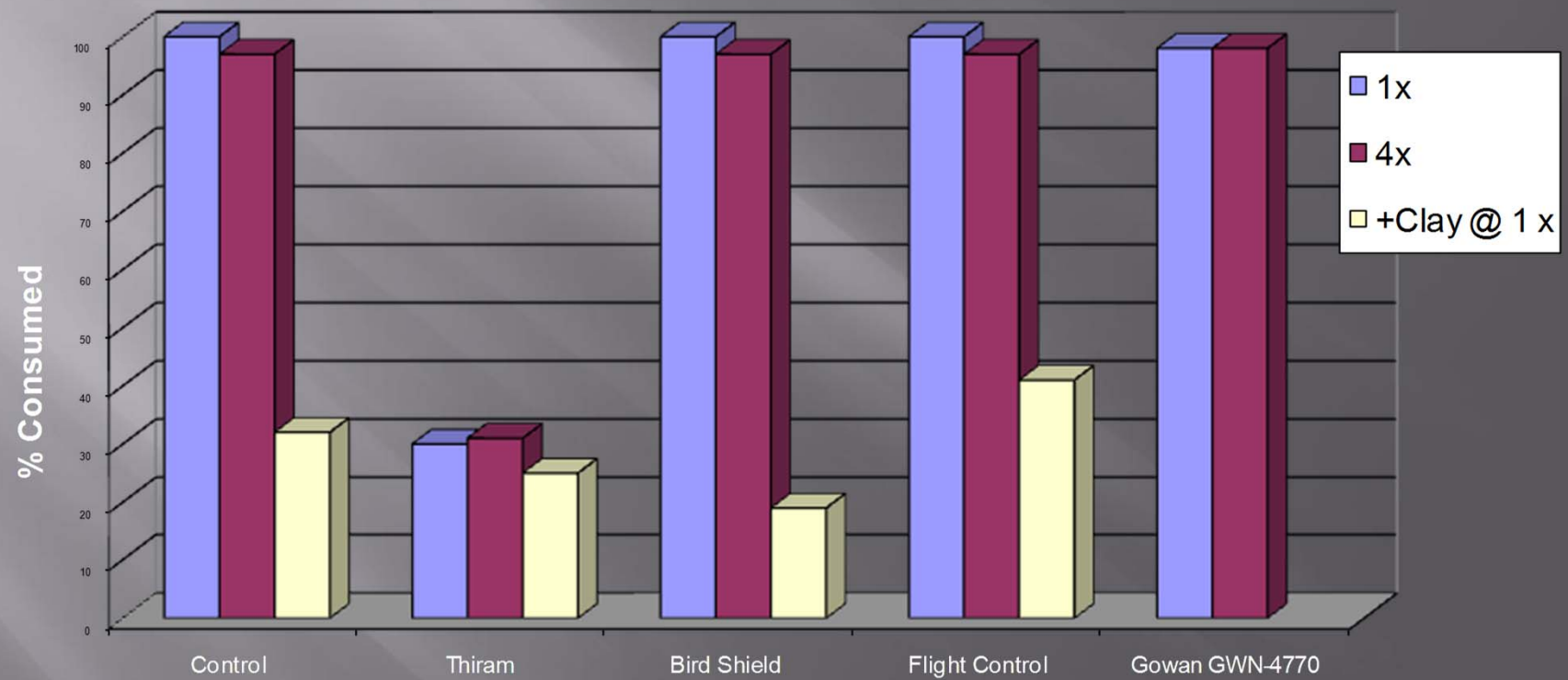




**Each treatment was 65 gms of seed.**

**Amount consumed was determined by weight remaining - generally after 24 hrs.**

## Initial Feed Consumption





Before Latex + Clay



After Latex + Clay







Control



Flight Control



Thiram

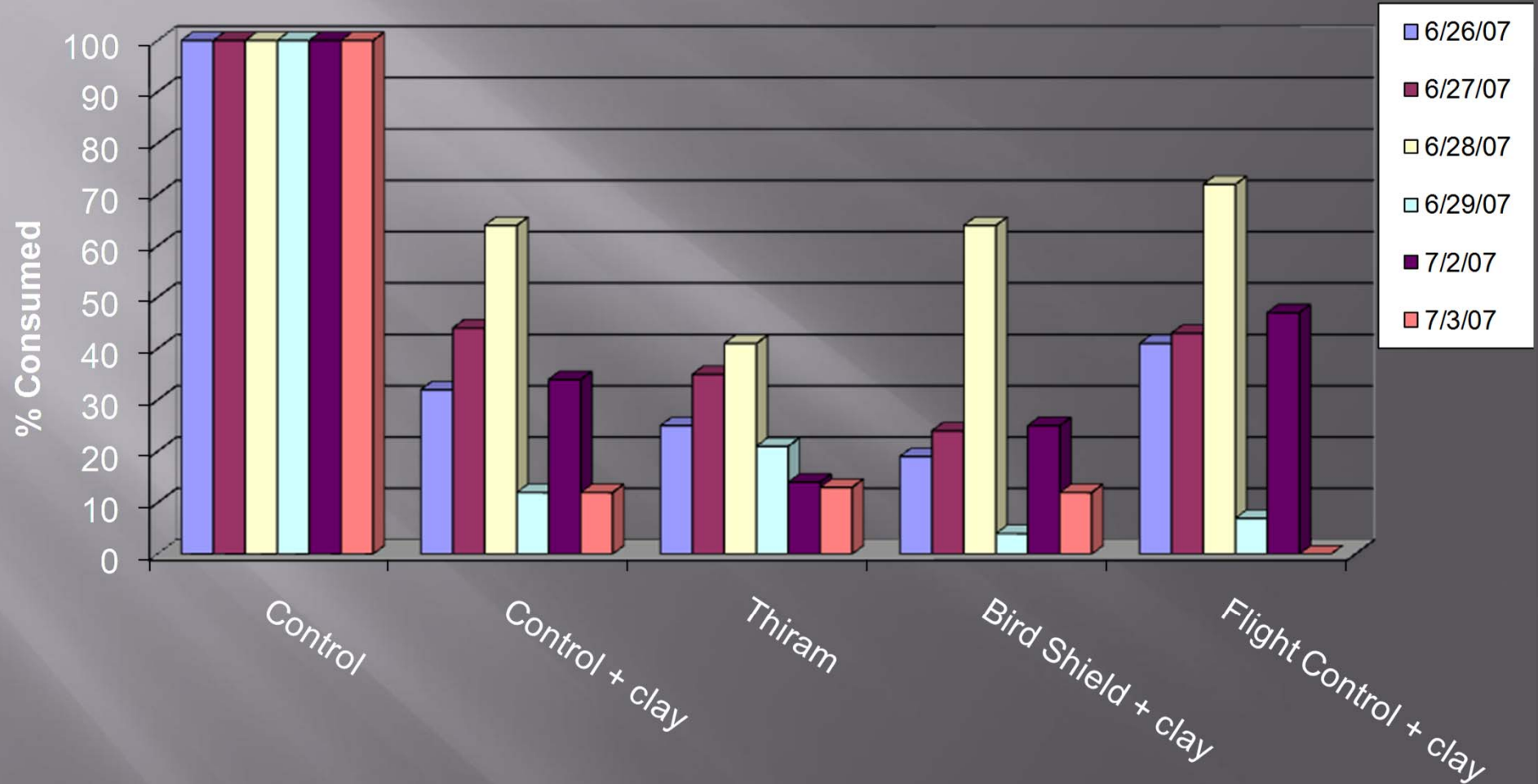


Bird Shield



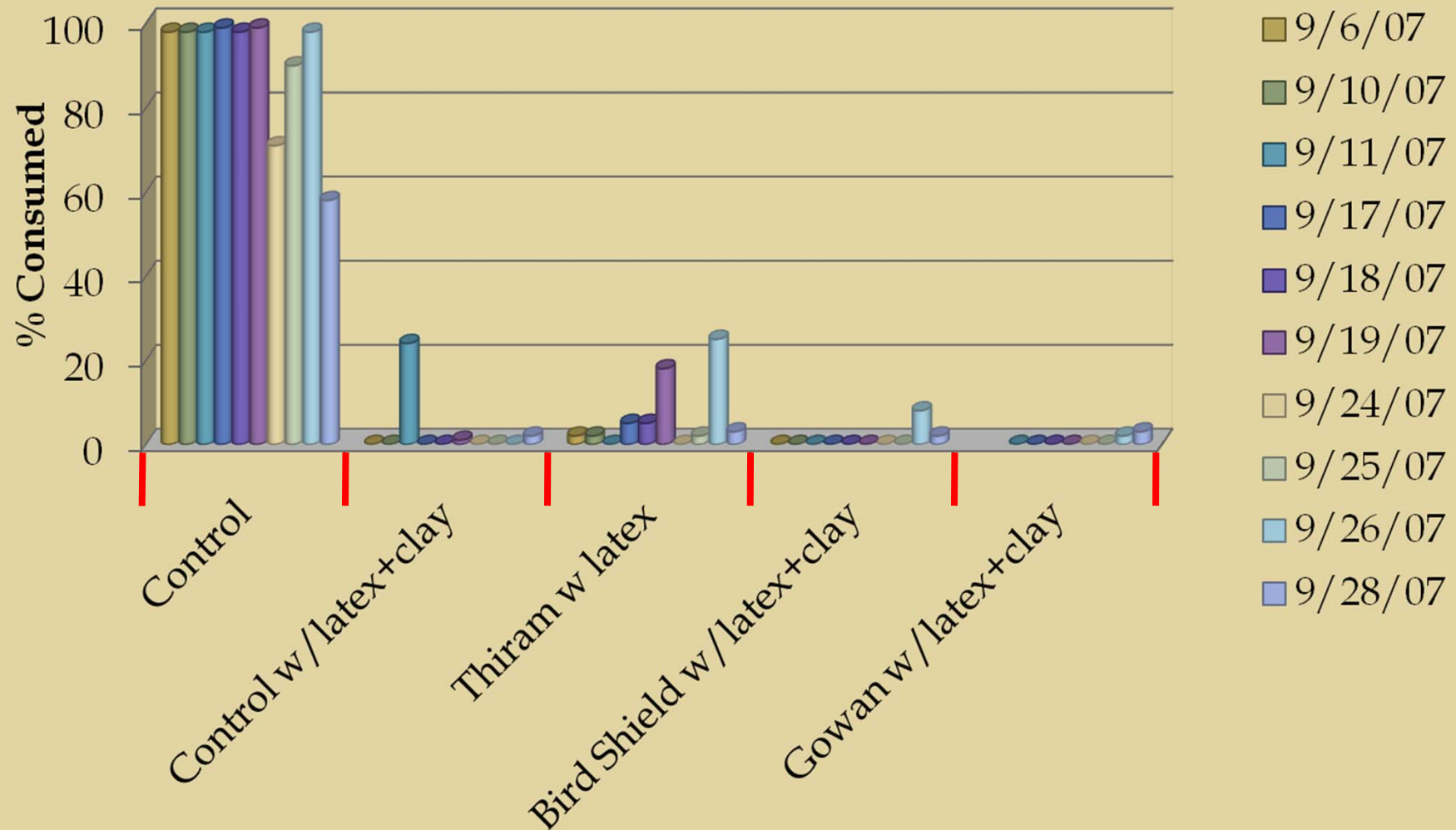
Latex + Clay

## Bird Seed Consumed by Date





# Bird Seed Consumed by Date



# Summary thoughts



- ▣ Out of the bottle – FC, BS & Gowan worthless against our birds and squirrels.
- ▣ Kaolin clay + latex significantly improved effectiveness – sight related.
- ▣ Visual appearance apparently important.
- ▣ We will continue to look for other compounds.
- ▣ Ultimately will verify on pine germination

# Neemix<sup>®</sup>4.5

## INSECT GROWTH REGULATOR

Kills/repels a variety of insect pests including whiteflies, caterpillars, leafminers, aphids, and diamondback moths.

 FOR ORGANIC PRODUCTION



ACTIVE INGREDIENT:	
Azadirachtin .....	4.5%
OTHER INGREDIENTS: .....	95.5%
TOTAL: .....	100.0%

Net Contents: 1 Quart  
EPA Reg. No. 70051-9  
EPA Est. No. 44616-MO-01  
Lot Number:

This product contains 0.34 pounds of azadirachtin per U.S. gallon.

