

# Bird Repellants



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

- Labeled 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



# Goose Stopper



- Manufactured by Messina Wildlife
- Ingredients:
  - Putrescent Whole Egg Solids - 5.80%
  - Mint Oil - 3.37%
  - Rosemary Oil - 3.37%
  - Others - 87.46%

# Birds & Animals Present

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



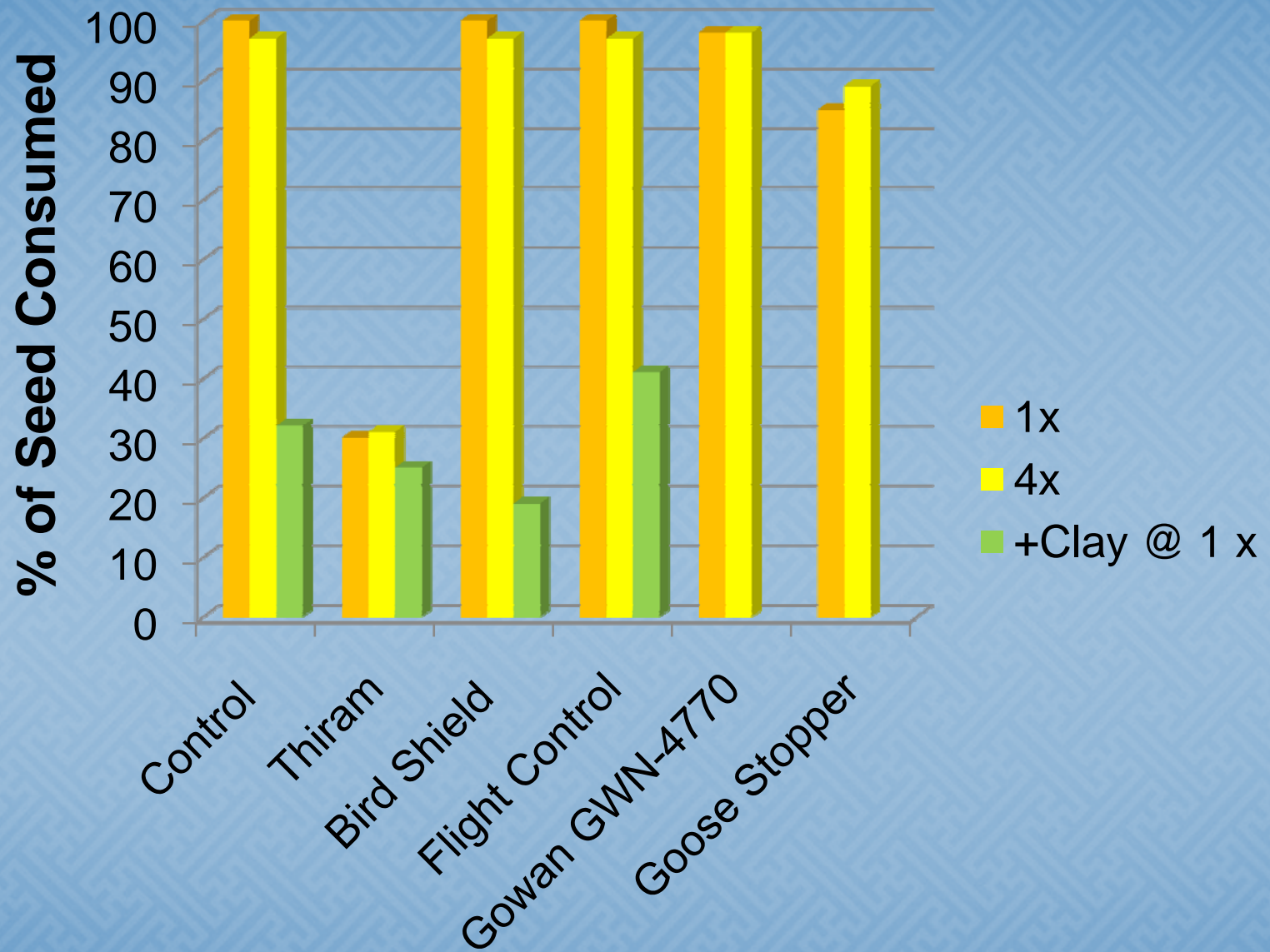




**Each treatment was 65 g of seed.**

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







Before Latex + Clay



After Latex + Clay





# Summary thoughts



- Out of the bottle – FC, BS & Gowan & Goose Stopper worthless against our birds and squirrels.
- Kaolin clay + latex significantly improved effectiveness – sight related.
- Visual appearance apparently important.
- We also tested hardwood seed of various size – the birds went else where for lunch.
- We will continue to look for other compounds.



