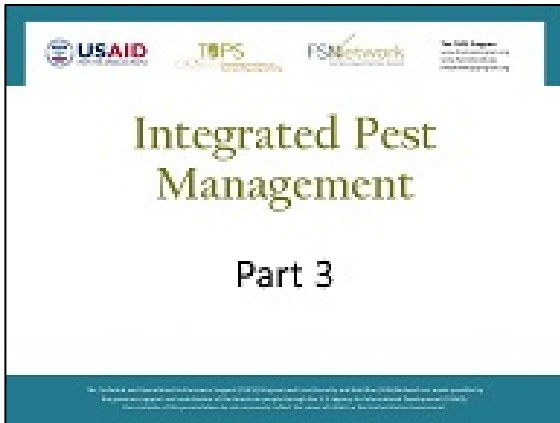
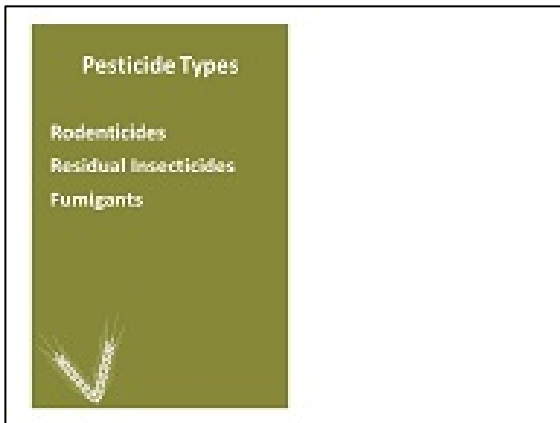
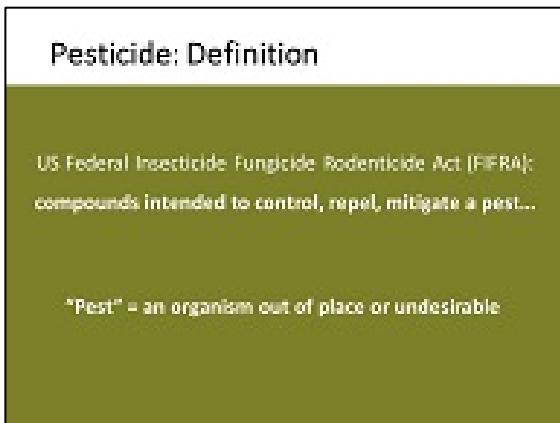


IPM Part 3 HANDOUT







IPM Part 3 HANDOUT

Pesticides Small Group Activity

Group Blue	• What are rodenticides? • How should we use them safely?
Group Green	• What are residual insecticides used for? • How are they applied?
Group Brown	• What are the limitations & safety issues associated with using residual insecticides?
Group Red	• What are fumigants? • How do they differ from residuals?

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1. Rodenticides

Wear gloves!



Rodenticides

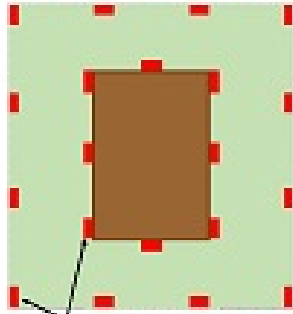
Secure in tamper-proof bait boxes!



IPM Part 3 HANDOUT

Exterior Placement

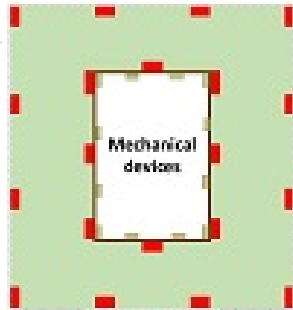
- 2 rows regularly spaced
- Focus on shadows, warm spots, corners, quiet places



Bait boxes every 15-30 meters

Interior Trap Placement

- Place along "travel paths"
- After success, shift trap position 0.5m



Mechanical devices

2. Residual Insecticides

Reduce insect numbers

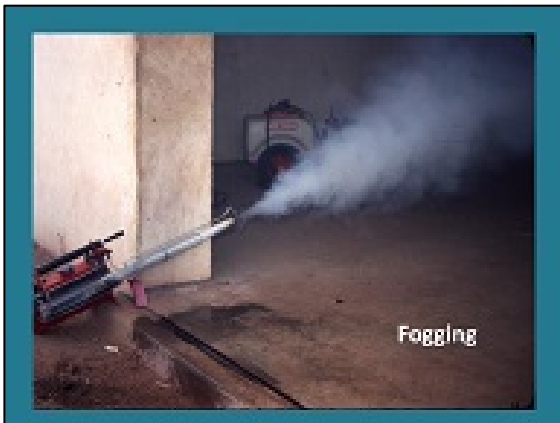
Discourage
Invaders



IPM Part 3 HANDOUT







IPM Part 3 HANDOUT

Residual Insecticides

Limitations

Do NOT penetrate bags

Pest ID essential

MUST be combined
with sanitation



Residual Pesticide Best Practices

- Proper storage
- Mixing guidelines
- Application procedures
- Pesticide container disposal

3. Fungicides

- + Pesticides active in the gas state
- + Penetrate through bags & into commodities
- + Very dangerous



IPM Part 3 HANDOUT

Methyl bromide

- Only for quarantine fumigations



Phosphine - Most popular commodity fumigant

Sulfuryl fluoride

- Likely future PH_3 replacement
- NOT easy to apply



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