Reduced Risk Residential Pest Management Practices

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These regulations are in addition to labels that are being changed with similar restrictions.
Details of the Regulations
6000. Definitions.

"Aquatic habitat" means bodies of water, such as lakes, reservoirs, rivers, perennial and intermittent streams, wetlands, or ponds, sloughs, and estuaries.

"Crack and crevice treatment" means the application of small amounts of insecticide directly into cracks and crevices in which insects hide or through which they may enter the building. Examples are openings occurring at expansion joints, between different elements of construction, and between equipment and floors. Only minimal amounts of pesticide should remain on the surface.

"Impervious surfaces" means hard surfaces, such as concrete or asphalt streets, sidewalks, and driveways.

"Precipitation" means the condensation of atmospheric water vapor that falls under gravity. Precipitation does not include mist or fog.

"Spot treatment" means an application to limited areas that will not exceed two square feet on which pests are likely to occur or have been located during the process of monitoring or inspection.
Which ones are effected?

Pyrethroids ONLY

• Cy-Kick CS
• Permethrin SFR
• Demand CS
• Suspend SC

• Pyrethrins NOT affected
Restrictions of the Regulations:
Applicable at ALL times

• During Rain (Precipitation)
  – Except the underside of eaves
• To any surface that has standing water
  (landscape, impervious surfaces, etc.)
Restrictions (con’t)

• To any drainage system
  – Grate in lawn, landscape, or patio
  – Curbside gutter
  – Storm drain
  – French Drain or swale

• Notice that the restrictions are ways or designs to move water off site
Drainage Grates in Patio and Landscape
Storm Drains and Curb Side Gutters
On Landscape and Yard:

(a) Except when prohibited in (e), applications to the soil surface, mulch, gravel, lawn, turf, or groundcover must be made using only the methods described below:

1. Spot treatment
2. Pin stream treatment of one-inch wide or less
3. Perimeter band treatment of three feet wide or less from the base of a building outward
4. Broadcast treatment but not within two feet from any horizontal impervious surface. Pin stream treatment of one-inch wide or less may be made within the two-foot area.
5. For broadcast treatment of termiticides to preconstruction sites, prior to precipitation, the treatment site must be covered with a waterproof covering, such as a polyethylene sheet, or a concrete slab must be poured over the treated soil.
On Landscape and Yard:

• Broadcast over yard (including bushes and groundcover)
• BUT: must leave a 2 foot buffer zone around ALL impervious surfaces that are adjacent to the landscape.
  – Can treat in that buffer zone with a Pin Stream spray pattern of less than one inch
On Landscape and Yard: Considerations

• Impervious Surfaces in the landscape/yard:
  – Stepping stones
  – Other construction elements

• Visible drainage grates or other drainage systems
On Horizontal Impervious Surfaces:
(including but not limited to sidewalks, driveways, walkways, patios, etc.)

(b) Except when prohibited in (e), applications to windows and doors, and horizontal impervious surfaces must be made using only the methods described below:

(1) Spot treatment
(2) Crack and crevice treatment
(3) Pin stream treatment of one-inch wide or less
On Horizontal Impervious Surfaces: What is allowed

- Spot treatment
- Crack and Crevice
- Pin Stream of a spray pattern of less than one inch
- Mentions doors and windows here b/c treating around these are too limited to the areas immediately surrounding the door or window frame
On Vertical Impervious Surfaces
(Including but not limited to base of the house, on the house around doors, windows, etc., fences, sides of buildings and other structures etc.)

(c) Except when prohibited in (e), applications to vertical structural surfaces, such as walls, foundations, and fencing, must be made using only the methods described below:

1. Spot treatment
2. Crack and crevice treatment
3. Pin stream treatment of one-inch wide or less
4. Perimeter band treatment up to a maximum height of two feet above the grade level.
On Vertical Impervious Surfaces

What is allowed

- Spot treatment
- Crack and Crevice
- Pin Stream of a spray pattern of less than one inch

- “Perimeter Treatments” are mentioned on the next slide
Impact on Perimeter Treatments

• Up from grade level: 2 feet
• Out from the foundation:
  – On landscape: 3 feet or further
  – On Impervious surfaces: NONE; only pin stream or spot treatment
So what does this mean?

How is Clark going to handle these regulations?
PRODUCT SELECTION

Why does this industry like Pyrethroids so much?
Application Equipment

OVERVIEW: MEDIUM PRESSURE GUNJET SPRAY GUNS

- Capacity ranging from 5 gpm (19 lpm) to 15 gpm (57 lpm)
- Maximum pressure ranging from 250 psi (17 bar) to 1000 psi (69 bar)
- Available outlet adapters convert any standard thread allowing the attachment of many optional accessories
- Designed for use with Umjet spray tips to meet a wide variety of pattern and flow specifications

See page 56 for gun and tip compatibility table and pages E10-E11 for specific tip information.

MEDIUM PRESSURE GUNJET SPRAY GUN OPTIONS

30533-40
Max. operating pressure: 600 psi (41 bar)
Max. temperature: 200°F (93°C)
Capacity: 12 gpm (45 lpm)
Material: Brass or stainless steel valve body with nylon handle, trigger lock and guard
Smooth and easy to operate
Designed to withstand high impact

AA31
Max. operating pressure: 250 psi (17 bar)
Max. temperature: 200°F (93°C)
Capacity: 5 gpm (19 lpm)
Material: Nickel-plated steel valve body with aluminum handle, stainless steel inlet body and tip nut
Trigger guard
Fast finger trigger for ease of operation

AA22L-05R85
Max. operating pressure: 250 psi (17 bar)
Max. temperature: 200°F (93°C)
Capacity: 5 gpm (19 lpm)
Material: Nickel-plated steel valve body with aluminum handle
Trigger guard
Deep adjusting nut provides material flow capabilities
Uprated needle
Threaded valve seat

AA22L
Max. operating pressure: 1000 psi (69 bar)
Max. temperature: 200°F (93°C)
Capacity: 5 gpm (19 lpm)
Material: Nickel-plated steel valve body with aluminum handle, stainless steel inlet body and tip nut
Trigger guard
Fast finger trigger for ease of operation

MEDIUM PRESSURE GUNJET SPRAY GUN OPTIONS

D41683-23L-GJ-PA/SS
Max. operating pressure: 500 psi (34 bar)
Max. temperature: 195°F (90°C)
Capacity: 11 gpm (42 lpm)
Material: Stainless steel valve body with nylon handle
Quick change of using unit
Specially designed spring provides improved control
Spewment control during hot spraying operations
Welded parts are made of TDA-compliant material

AA31H
Max. operating pressure: 1000 psi (69 bar)
Max. temperature: 200°F (93°C)
Capacity: 5 gpm (19 lpm)
Material: Brass valve body with aluminum handle, fastener trigger lock
Can be used with air
Positive trigger action for drip-free shut off

ORDERING INFORMATION

COMPLETE SPRAY GUN ASSEMBLY

Example: AA31L - SS

69PT connections require the addition of a "S" in the format of the part number (Example: AA31L-S)
Clark’s Re-actions

• Comply with the regulations and label language
• Continuous training
  – In field and in classroom
• Experience
Specific Pests

- Ants
- Fleas
ESA Injunction

• ESA Injunction still trumps the regulations
• All services within the ESA Injunction areas must comply with the restrictions and buffer zones