Water quality monitoring studies have found significant amounts of pyrethroid insecticides in urban creeks and sediments.

Pyrethroids are highly toxic to aquatic organisms including fish.
The EPA changed the general “Directions for Use” and the “Environmental Hazard Statement” for pyrethroid products used in non-agricultural outdoor settings.

These changes are intended to reduce pyrethroid movement into non-target areas through runoff and drift.

These changes affect both professional and consumer products.
New language is on pyrethroid products formulated as liquid concentrates, broadcast granules, dusts, and ready-to-use liquid formulations.

Older products that do not have new label restrictions can continue to be used according to the label that is attached to that product.
What Do These Changes Mean?

- Broadcast applications to large surfaces such as exterior walls of buildings above three feet, patios, concrete walkways, carports, driveways, doors and windows........

WILL NO LONGER BE ALLOWED!

These areas are limited to spot and/or crack and crevice treatments.
Let’s Try To Simplify This

3 Feet Maximum or the maximum allowed on label

See label directions on soil/vegetation treatment
Foundation/Hardscape Areas

Broadcast/Surface Spray

3 Feet Maximum or maximum allowed on label

Spot and/or Crack and Crevice Treatment
Broadcast/Surface Spray to underside of eaves/soffits
Doors and Windows

Spot and/or Crack and Crevice around Doors and Windows

Georgia Department of Agriculture
Hardscape/Impervious Surfaces vs. Soil/Mulch Areas

Spot and/or Crack-Crevise Treatment

Broadcast/Surface Treatment per label
Broadcast/Surface Spray

vs.

Spot–Crack and Crevice Spray

3 feet max
Don’t Even Think About It!

A spot treatment is not to exceed two square feet.

Making adjacent spot treatments to cover a large area is not allowed!
Spot Treatment

2 Square Feet

1 Foot X 2 Feet = 2 Square Feet

6 Inches

6 Inches X 4 Feet = 2 Square Feet

3 Inches

3 Inches X 8 Feet = 2 Square Feet

Georgia Department of Agriculture
Most of the restrictions are the same as before. **Do not** treat saturated soil and cover prior to expecting rain. To prevent drift apply only when wind speeds do not exceed 10 mph.

Labels will now require treatment restrictions within 10 feet of storm drains and 25 feet of aquatic habitats such as ponds, creeks, rivers, reservoirs, marshes, etc...
Other Restrictions

- **Do not** treat when raining.

- **Do not** apply to point of runoff (includes granular products that may be watered into lawn after an application).

- **Keep out** of gutters and drains.
Synthetic pyrethroids are identified by chemical names usually ending in “...thrin” (such as Bifenthrin, Deltamethrin, Permethrin, etc…).

Beginning with “Cy…” (such as Cypermethrin, Cyfluthrin, Cyhalothrin, etc…)

Two others **not** identified by “Cy…” and “...thrin” are Taufluvalinate and Esfenvalerate.
Georgia Department of Agriculture
Structural Pest Section
404–656–3641
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