



Pyrethroids

Compliance Assistance Module (CAM) 2

Structural Pest Division

Compliance Assistance Program

Revised 01/15/21





Why are these labels being changed?

- 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.

So what is happening?

- 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.

What to look for

- 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.

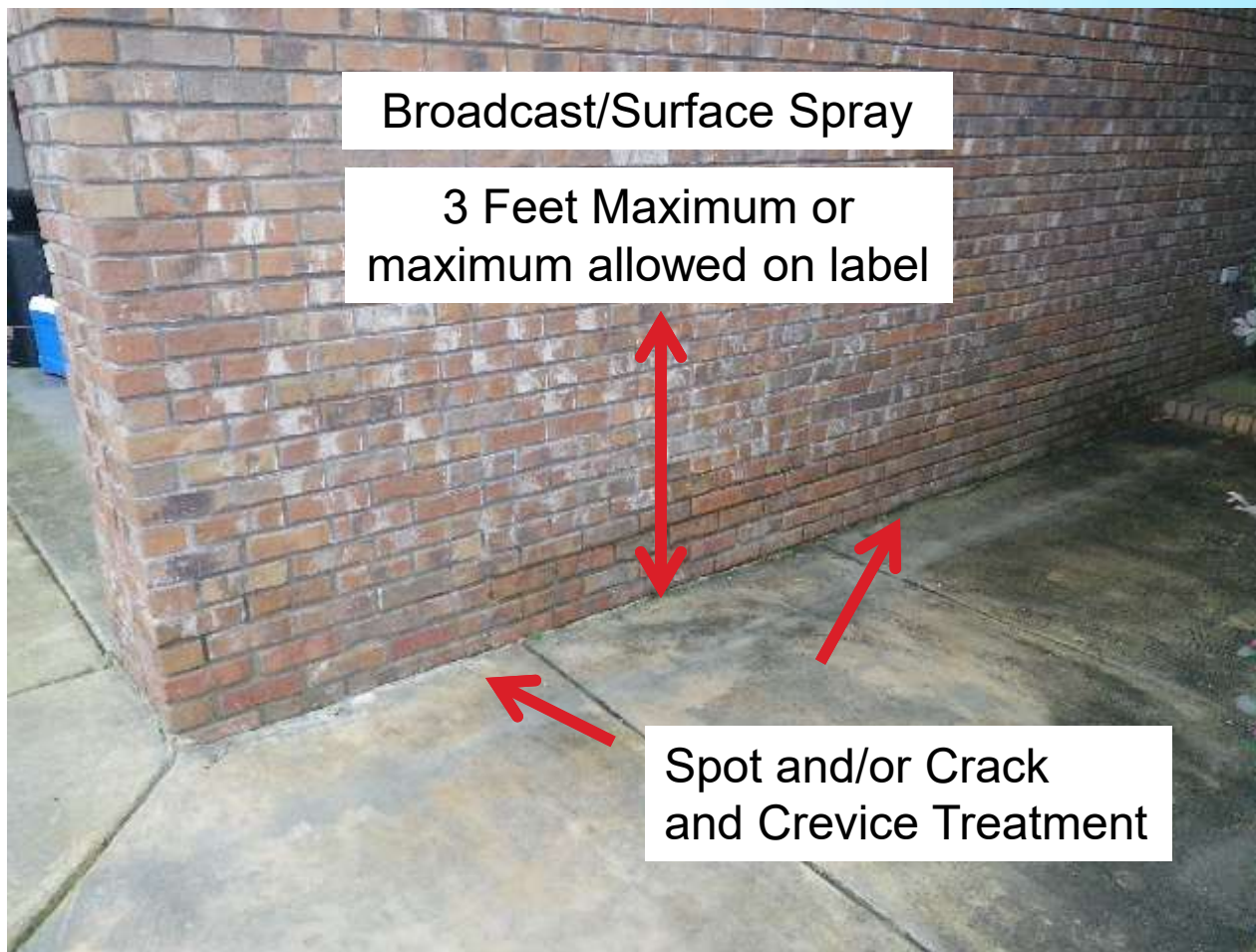
What Do These Changes Mean?

- 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.



Foundation/Hardscape Areas



Eaves and Soffits



Broadcast/Surface Spray to underside
of eaves/soffits

Doors and Windows

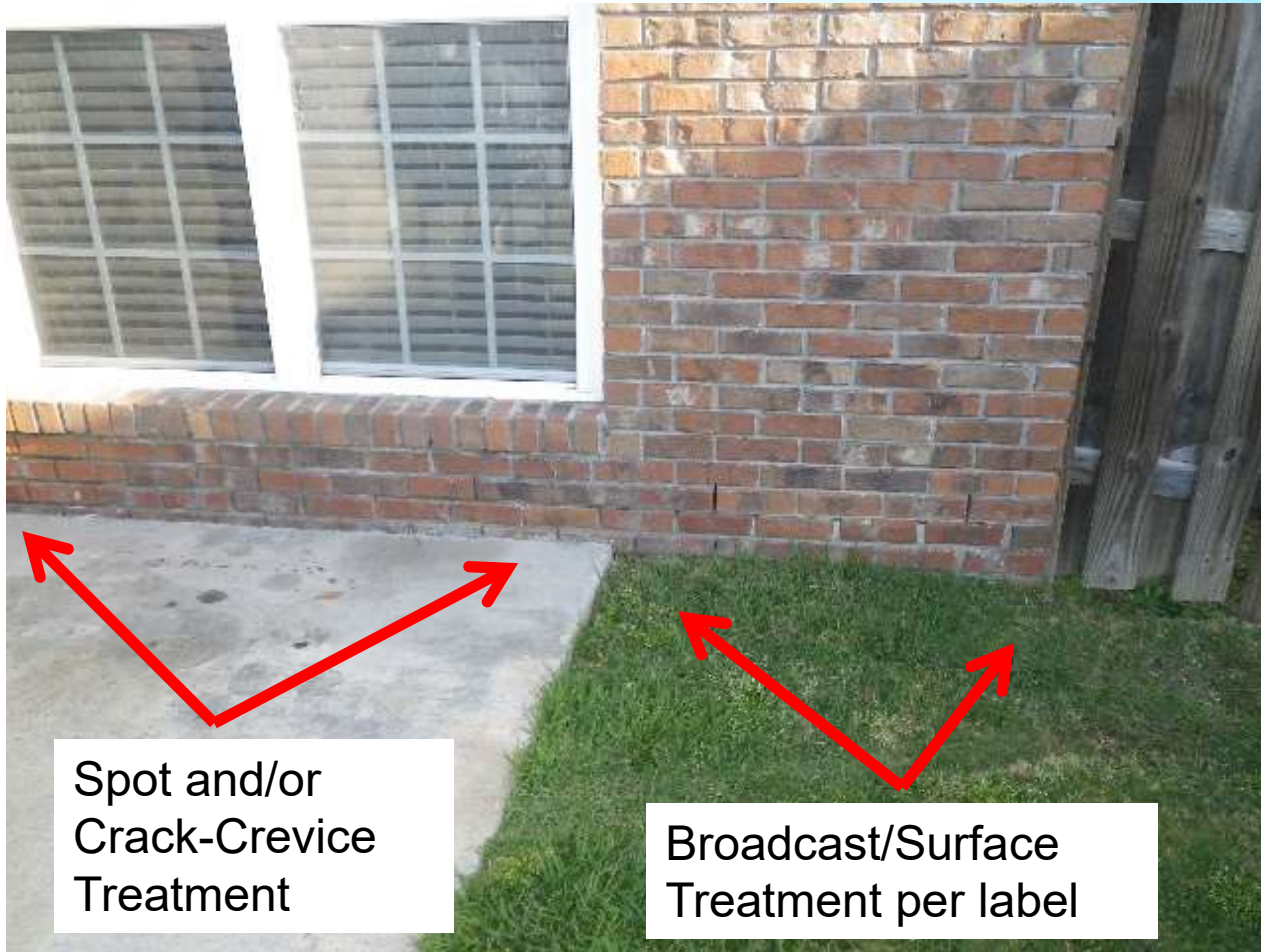


Spot and/or Crack and Crevice
around Doors and Windows

Hardscape/Impervious Surfaces

vs.

Soil/Mulch Areas



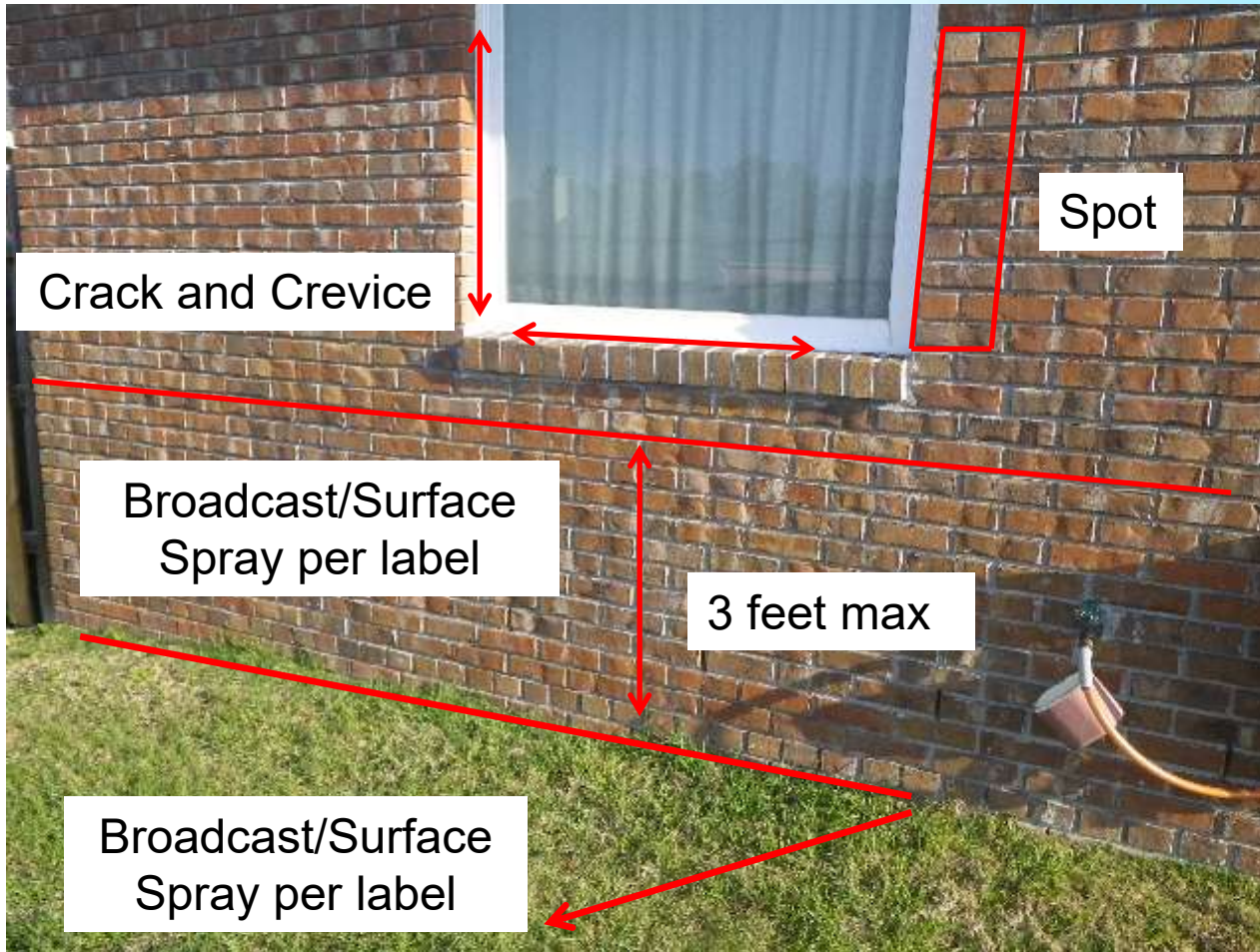
Spot and/or
Crack-Crevice
Treatment

Broadcast/Surface
Treatment per label

Broadcast/Surface Spray

vs.

Spot-Crack and Crevice Spray

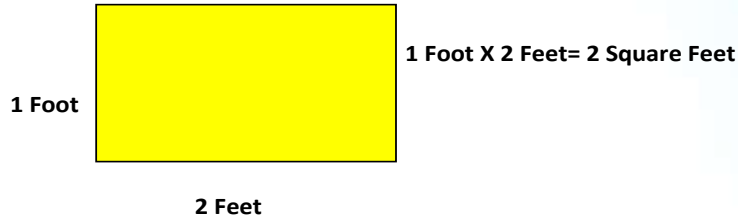


Don't Even Think About It!

- A spot treatment is not to exceed two square feet.
- Making adjacent spot treatments to cover a large area is not allowed!

Spot Treatment

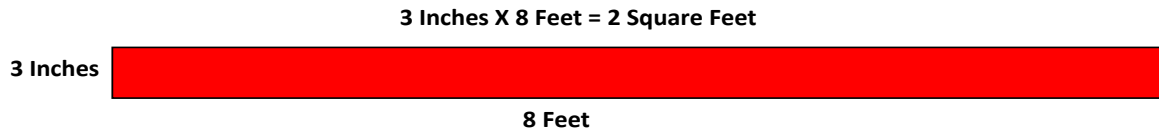
2 Square Feet



2 Square Feet



2 Square Feet



Pretreat Restrictions

- 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.

Pyrethroid Identification

- 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 Esfenvalarate.



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