

Weed control/management for peach trees



Why use a preemergence herbicide?

- Decrease number of postemergence herbicide applications per year
- Decrease the likelihood of building herbicide resistant populations

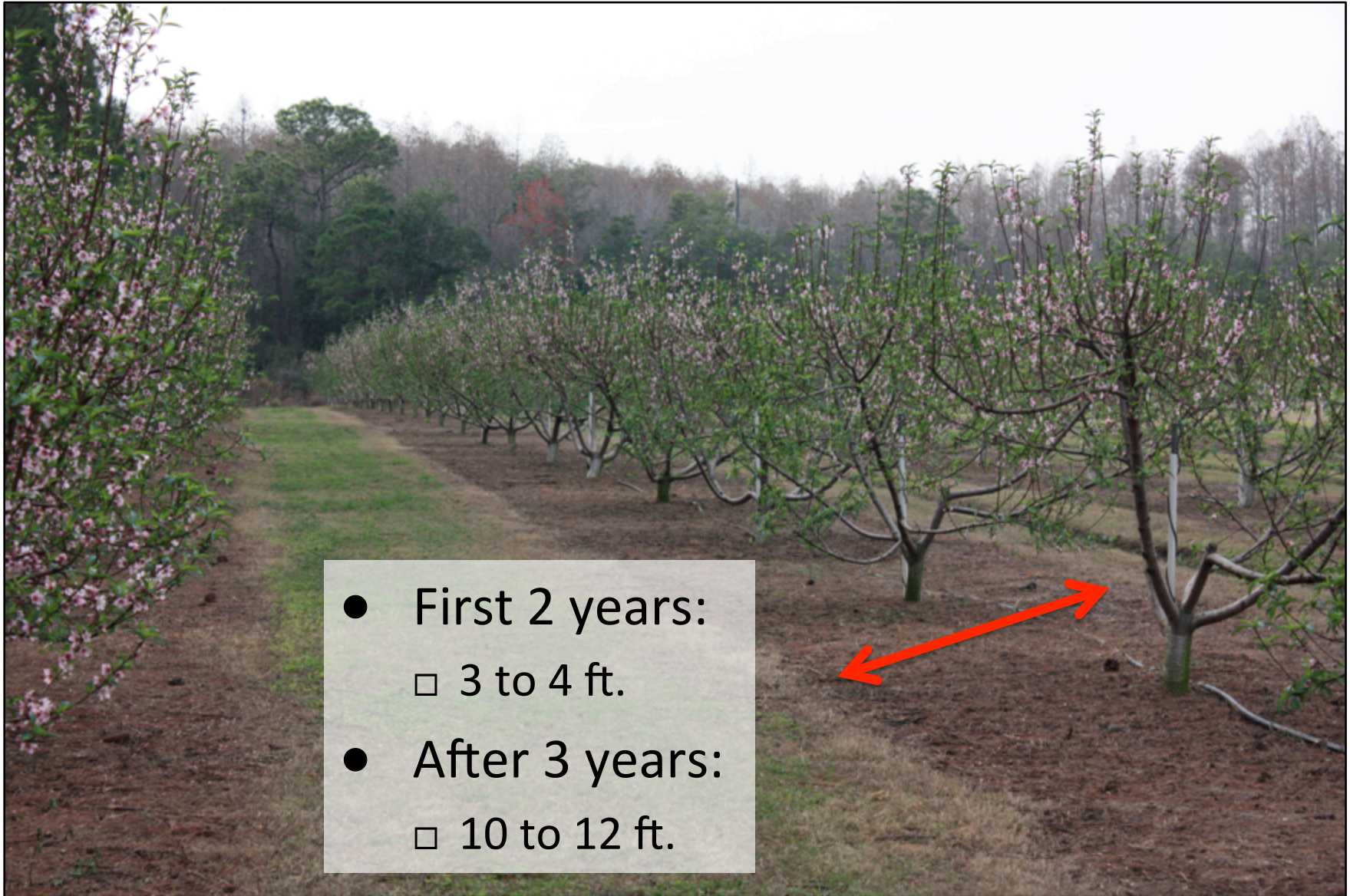
Preemergence herbicide options

- Diuron, Karmex, Direx
 - 2 – 2.75 lb.
 - 1.6 – 2.2 qt.
- Alion
 - 5 fl. oz.
- Chateau
 - 6 to 12 oz.
- Solicam
 - 1.25 – 1.5 lb.
- Oryzalin, Surflan
 - 2 – 6 qt.
- Prowl H₂O
 - 2 to 6.3 qt.
- Kerb
 - 2 – 4 lb.
- Princep, Simazine
 - 1.4 – 4 qt.
 - 1.6 – 4.4 lb.
- Sinbar
 - 0.5 – 2 lb.
- Treflan
 - 1 – 1.5 pt.

Preemergence herbicide options (cont'd)

- Consult individual labels for specific application information
- Additional information in EDIS entitled “Weed Management in Peach”
 - <http://edis.ifas.ufl.edu/pdffiles/WG/WG02000.pdf>

Weed-free strips



- First 2 years:
 - 3 to 4 ft.
- After 3 years:
 - 10 to 12 ft.

Weed-free strips



- Weed-free strips reduce weed competition to the peach trees
- Grass strips provide clean area for harvest crews to walk and reduce compaction

Weed emergence timing



Emergence of
summer annuals

- Morningglories
- Pigweed
- Spurge
- Goosegrass

Weed emergence timing

Carolina geranium
Henbit
C. chickweed
Annual bluegrass

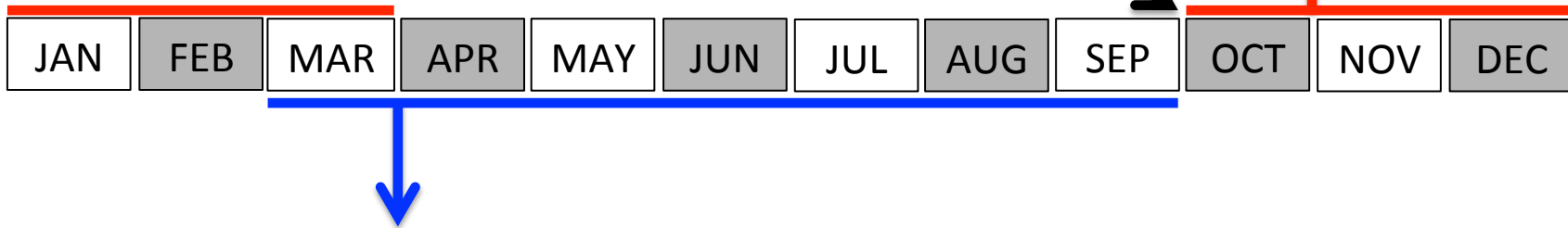
Emergence of
winter annuals



Weed emergence timing

Preemergence herbicides should be applied before the large flush of growth

Emergence of winter annuals



Emergence of summer annuals

Perennial weeds

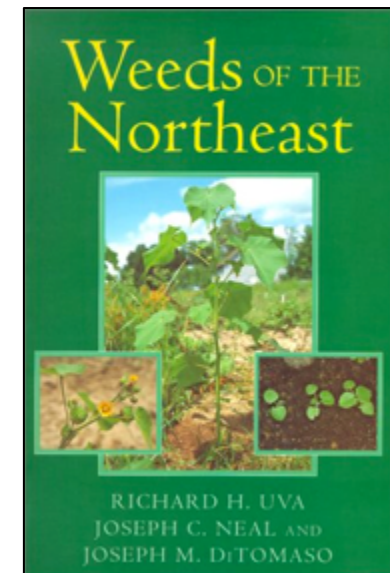
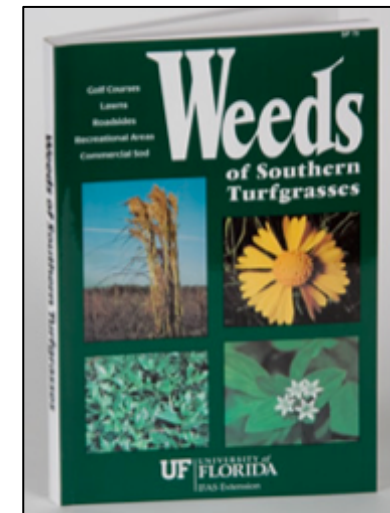
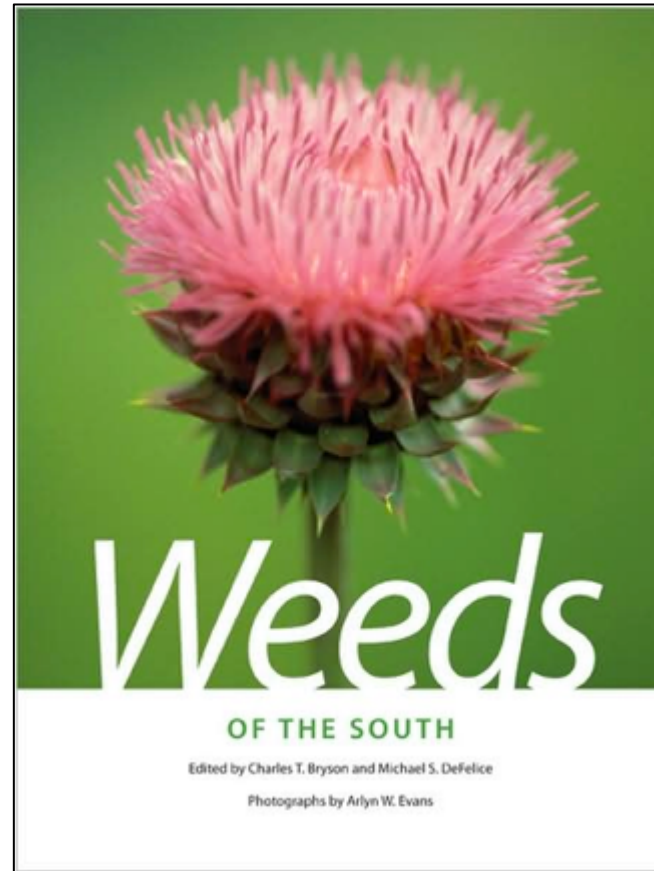
- Nutsedge
- Bermudagrass
- Pokeweed
- Poison ivy
- Virginia creeper



Preemergence herbicides will only control weeds before emergence. After emergence, a postemergence herbicide is required.

Books

- Weeds of the South
- Weeds of Southern Turfgrasses
- Weeds of Northeast

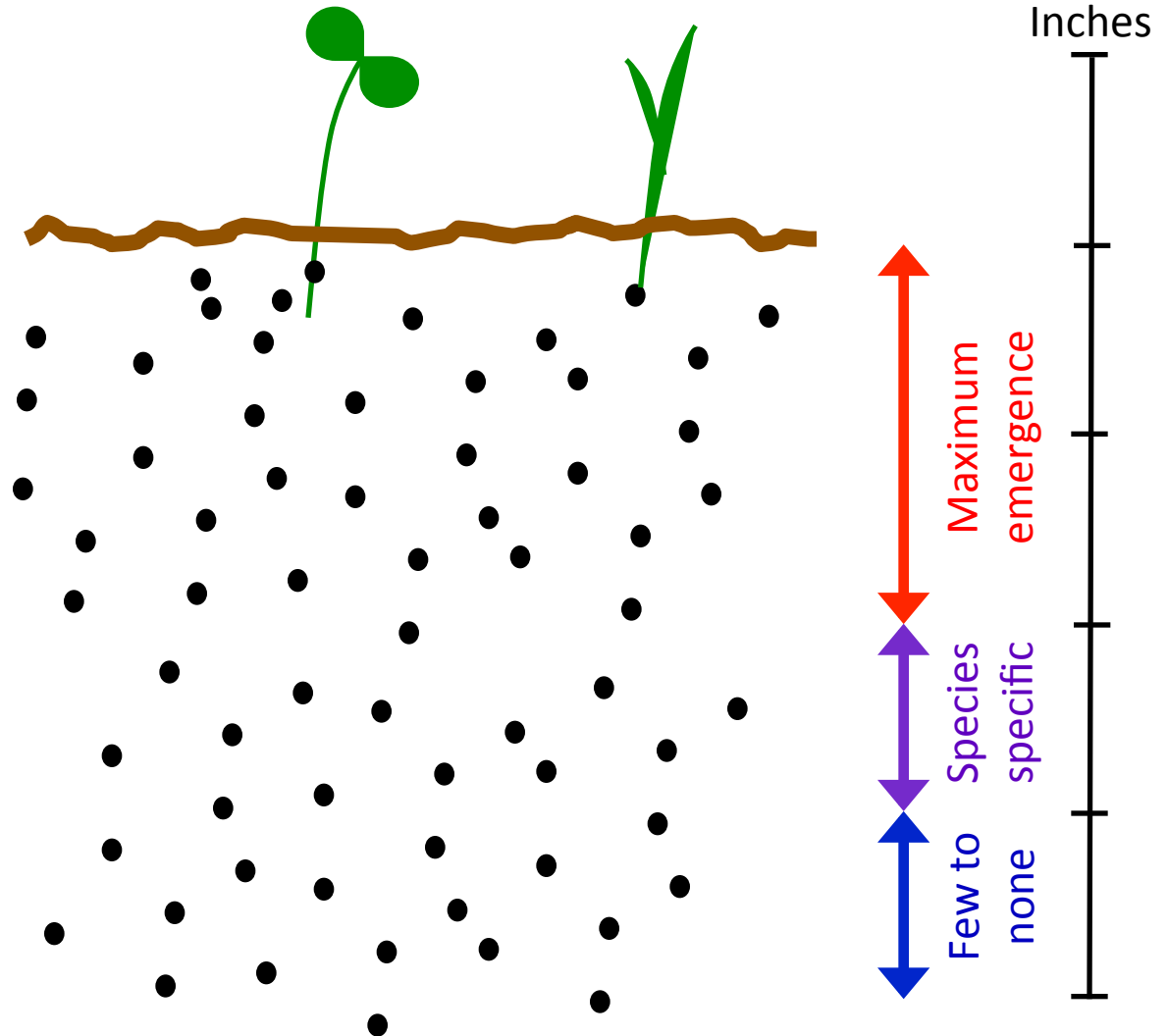


Proper weed ID is important for selecting the correct weed control option.

Incorporating preemergence

Weed seeds are present throughout the soil profile. Most weed species emerge in the upper 2 to 3 inches.

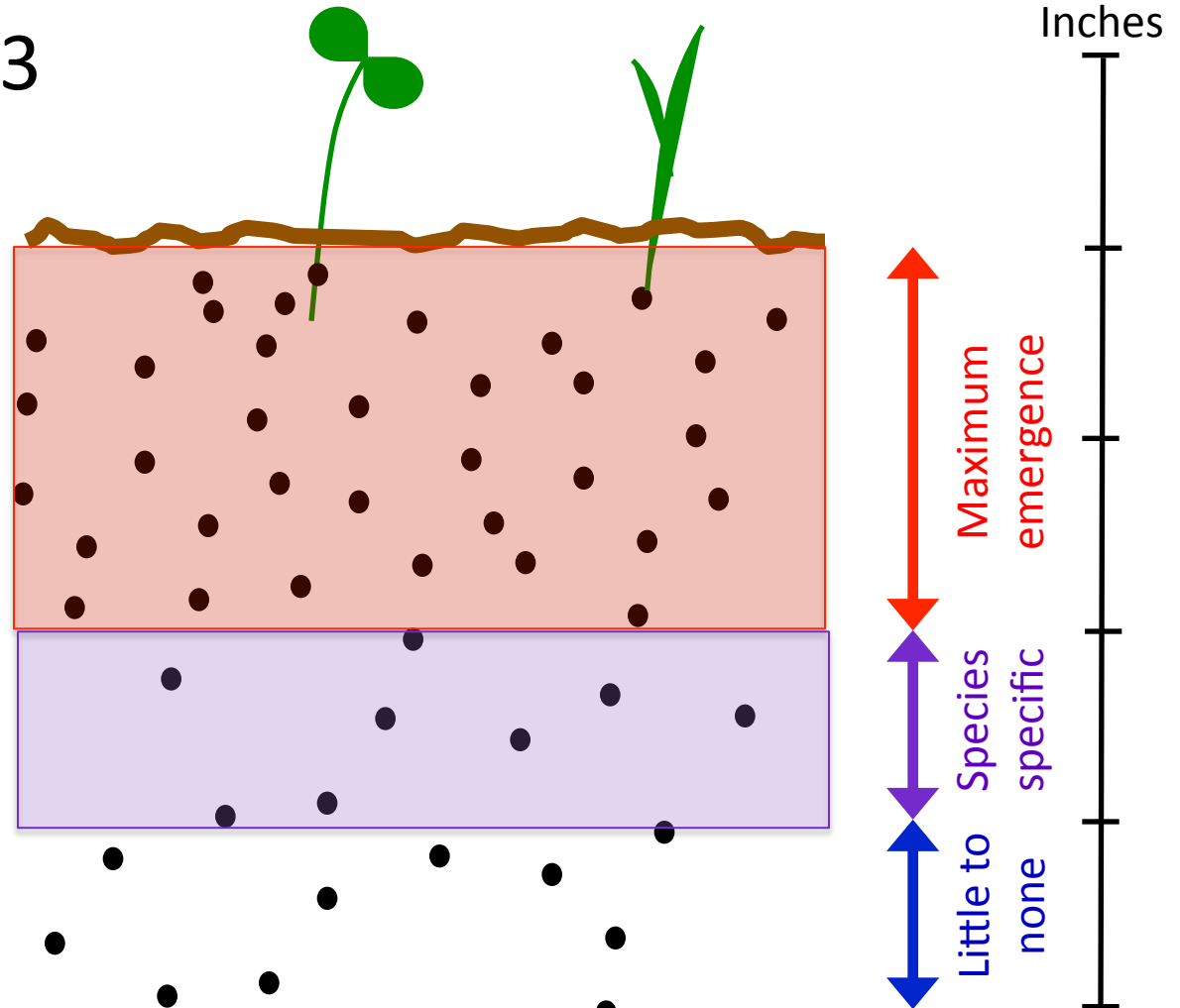
Below 3 inches, only large seeded weeds will emerge.



Incorporating preemergence

- Incorporate 2 to 3 inches deep
 - Cultivation
 - Irrigation
 - Rainfall
- Within 24 hours

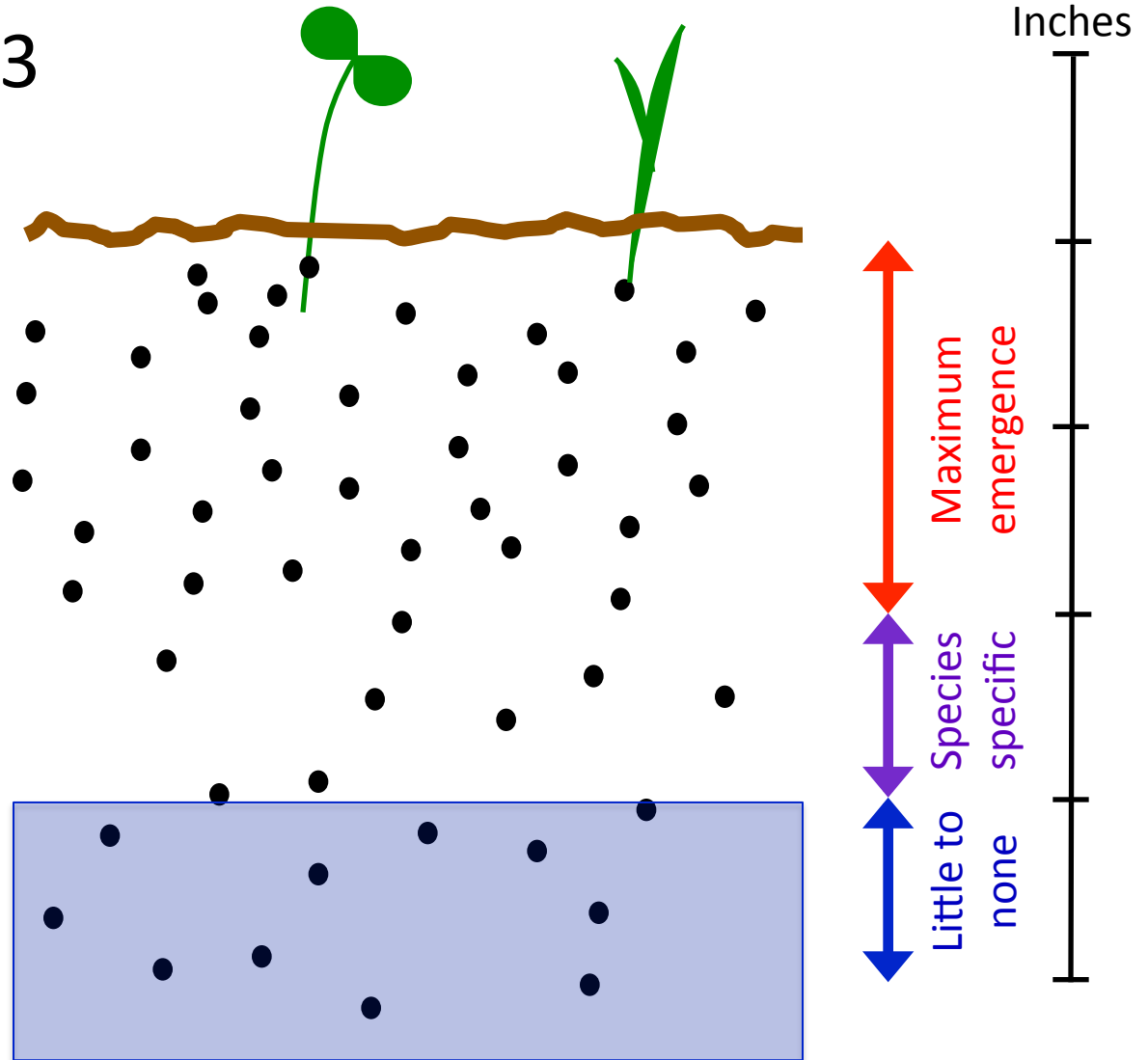
Preemergence herbicides must be present in the area of the soil profile where the most weeds will germinate.



Incorporating preemergence

- Incorporate 2 to 3 inches deep
 - Cultivation
 - Irrigation
 - Rainfall
- Within 24 hours

TOO
DEEP



Weed control by Chateau and Simazine in Peach

- St. Johns Oaks Farm, Crescent City, FL
- Applied Sept. 19, 2011
- 2 nozzle boom
- 20" spacing
- 30 GPA
- Treatments
 - Rely 115 fl. oz./A
 - Chateau 3 & 9 oz./A

Rely 115 fl. oz. (34 DAT)



Rely 115 fl. oz. (34 DAT)



Emergence of Brazilian pusley.

Rely 115 fl. oz. + Chateau 9 oz



Rely 115 fl. oz. + Chateau 9 oz





164 DAT

Rely 200 115 fl. oz.
+ Chateau 9 oz

Nontreated



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