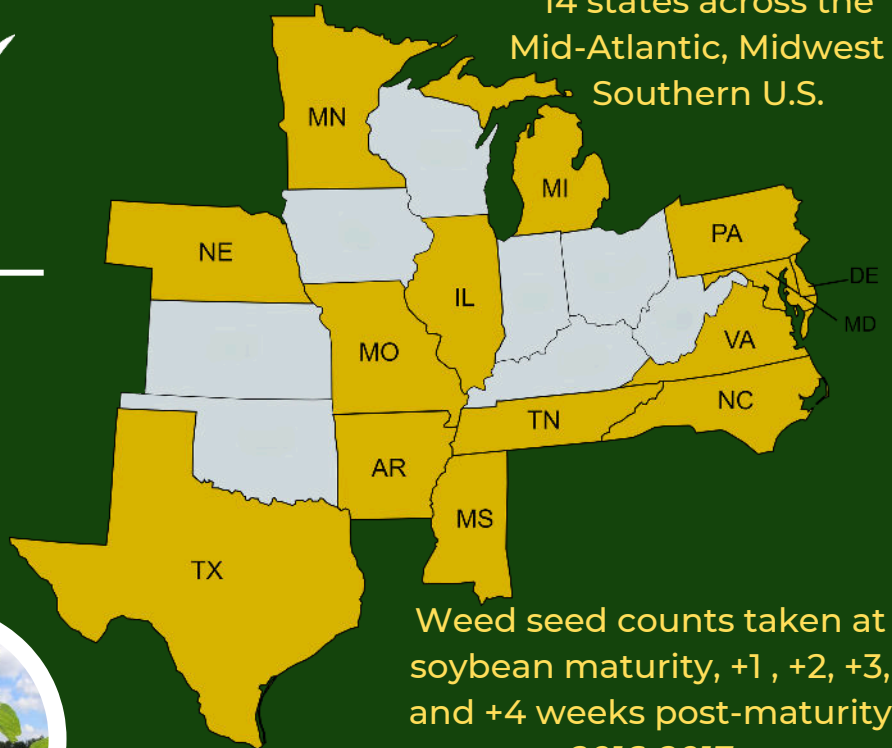


14 states across the  
Mid-Atlantic, Midwest &  
Southern U.S.



Weed seed counts taken at  
soybean maturity, +1, +2, +3,  
and +4 weeks post-maturity  
*2016-2017*

## Q: What weeds hold on to their seeds at soybean harvest?



### Why it Matters

Weed seeds develop on the plant and are released as the plant matures and dries down.

At soybean harvest, combines often turn into weed seed spreaders as they pass through patches of weed escapes.

Harvest weed seed control (HWSC) tactics, such as seed impact mills and chaff lining, depend on weed seeds being present on weed escapes in the field.



### Key Takeaways

**Southern weeds held on to their seed longer than weeds in northern regions. By three weeks after soybean maturity in the northern states, weeds showed significant seed loss, but weeds in TX and MS still retained the vast majority of theirs.**

**Some weeds, like Palmer amaranth, were very consistent in seed shatter across the weeks. Others, like common ragweed, showed wide variation in seed shatter after soybean maturity.**

**Compared to broadleaf species, grasses generally did not retain their seeds as long and are likely not as well suited to HWSC.**

[growiwm.org](http://growiwm.org)

### Top 5 Seed- Retaining Broadleaf Weeds

1. Smooth pigweed
2. Palmer amaranth
3. Hemp sesbania
4. Waterhemp
5. Jimsonweed

### Top Seed- Retaining Grass Weed

1. Johnsongrass

