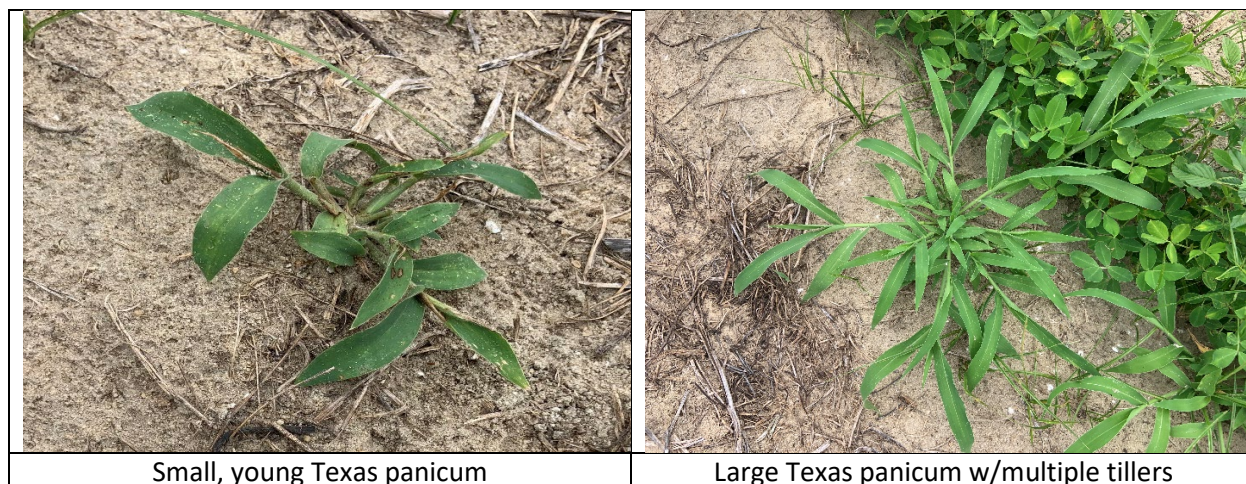


## Management of Texas Panicum in Peanut

The emergence of grasses during the growing season quickly become a problem in peanut. Weedy grasses, such as Texas panicum, have the capability to germinate throughout the growing season and cause digging and other harvest problems in peanut. Growth stage and the degree of stress experienced by Texas panicum at the time of application will determine the success of your herbicide program. For example, the SelectMAX (clethodim) label recommends application at the 2 to 6 inch growth stage. The use rate for clethodim depends on the product and formulation. For SelectMAX (0.97 lb/gal clethodim), the rate range is 9 to 16 fl oz/A corresponding to the 2 to 6 inch weed size. For generic clethodim (2 lb/gal clethodim), the rate would 6 to 16 fl oz/A for Texas panicum. The higher rate should be used on larger Texas panicum (6 inches). A second application of clethodim is permitted 14 days after the first application. Always add a crop oil concentrate (1% v/v) or methylated seed oil (1% v/v) to the clethodim for the best activity on Texas panicum. Also, ammonium sulfate (AMS) can enhance the activity of clethodim. See below for information on herbicide products labeled for Texas panicum control in peanut.



Stress can occur in the form of drought, heat, or excess moisture. These abiotic factors can slow or even stop weed growth and development. When weeds are under stress, herbicide activity on that weed is also reduced. Optimum herbicide activity occurs when susceptible weeds are actively growing. It is important to remember that spraying herbicides like clethodim when weeds are stressed can yield unsatisfactory results. In addition to environmental stresses, tank mix partners with clethodim can antagonize or reduce the activity on Texas panicum. For example, 2,4-DB will reduce the activity of clethodim (or other grass herbicides) on the target grass weed if tank mixed and sprayed together. Increasing the rate of the grass herbicide can overcome some of this antagonism.

Maximum single application rate, maximum use allowed in season, and recommended Texas panicum size for optimum control.

	Max Rate in Single App.	Max Season Allowed	Rec. T. Panicum size
Fusilade	24 fl oz/A	48 fl oz/A	2 to 8 inches
Poast	1.5 pt/A	2.5 pt/A	up to 8 inches
Poast Plus	2.25 pt/A	3.75 pt/A	up to 8 inches
Select (2 lb/gal)	16 fl oz/A	32 fl oz/A	2 to 6 inches
SelectMAX (0.97lb/gal)	32 fl oz/A	64 fl oz/A	2 to 6 inches