

## Early POST Herbicides in Peanut 5.21.21

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We are in the midst of a warm and dry May so far with the forecast for the rest of month more of the same. Here are a few things to remember as you begin your early POST herbicide programs. At the 14-21 day after planting mark, Paraquat can be tank mixed with several herbicides to broaden the POST weed control spectrum. For example, Basagran and Storm are two good tank mix options. If tank mixing Dual Magnum with Paraquat, do not add non-ionic surfactant to the tank. Speaking of Dual Magnum, it is important to add a soil residual herbicide (i.e., Dual, Warrant, Zidua, Outlook) to the tank when applying a POST herbicide. The key is overlapping residuals. Paraquat can be applied up to 28 days after planting. The season application limits for the Paraquat 2S formulation is 16 fl oz/A and 10.8 fl oz for the 3S formulation. Another important consideration is spray volume and reduced ground speed, use a minimum of 15 gallons per acre when applying a contact herbicide, such as paraquat Thorough coverage is the name of game. For Dual Magnum, season maximum is 2.67 pt/A which means you can make up to two applications of 1.33 pt/A. With these Paraquat treatment combinations, target weeds when they are small (less than 3 inches is best). Anthem Flex is another early POST consideration and has shown good results in our trials. Make your applications of Anthem Flex before weeds are 3 inches in height or less. The season maximum for Anthem Flex is 9.12 fl oz/A. If considering Strongarm, the thing to remember is it has no grass activity (PRE or POST). It does have excellent broadleaf activity (mainly PRE, some POST activity on some weed species which is why it is tank mixed with a contact herbicide), especially on morningglories. Strongarm can be split into two applications of 0.225 oz/A each (season max of 0.45 oz/A). More updates to follow on the 30-35 day window for peanut weed management. For additional information, consult the 2021 Pest Management Handbook or the 2021 Peanut Production Guide.

Early-POST tank mixes (14-21 days after planting)*	Palmer Amaranth (< 2inches)	Annual Grasses (<3 inches)	Morningglories (before running)	Sicklepod (<2 inches)
Anthem Flex (3.5-4.0 fl oz)	G-E	G-E	G	G
Paraquat 2S (12 oz) + Storm (1.5 pt) + Dual Magnum (16 oz)	G-E	G-E	F	G-E
Paraquat 2S (12 oz) + Basagran (1.0 pt) + Dual Magnum (1.0 pt)	G	G-E	F-G	G
Paraquat (12 oz) + Pursuit (4.0 oz)	G-E (ALS sensitive populations)	F	G	G-E
Storm (1.5 pt) + Dual Magnum (1.0 pt) + SelectMAX (12 fl. oz)	F-G	E	G	G
Paraquat (12 fl oz) + Strongarm (0.225 oz) + Dual Magnum (1.0 pt)	G-E (ALS sensitive populations)	G (on non-emerged grasses)	E	G

\*Key to Weed Response Ratings: E = Excellent Control, 90% or better; G = Good Control, 80-90%; F = Fair Control, 70-80%; P = Poor Control, less than 70%.