

RESPONSE OF PEANUT TO
DIFFERENT INTERVALS
OF IRRIGATION

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Response of peanut to different intervals
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ALBERTO P. ROMEA

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yield of 10.0 kilograms per hectare after one week.

ABSTRACT

irrigation interval attained a maximum yield of 1.26 t/ha.

yield of 668.66 kilograms per hectare while one week irrigation interval attained a maximum yield of 1,262.03 kilograms per hectare. Irrigation applied five weeks and eight weeks after planting yielded 1,233.36 kilograms per hectare. It was then followed by the plants irrigated at two weeks interval (783.30 kg/ha). Plants irrigated at three weeks interval had a yield of 782.13 kilograms per hectare. A 685.36 kilograms per hectare was obtained among the plants without irrigation but with mulching.

INTRODUCTION

Importance of the Study

Peanut, *Arachis hypogaea* L. is a leguminous plant containing high quality protein and oil. It is an important food supplement to animal protein in human diet. Peanut grows best in well drained, medium-textured, moderately to slightly acidic soils with pH ranges between 5.5 to 6.5 and relatively fertile soil. It is a relatively drought tolerant crop but like most field legumes it needs water critically during germination, pod development and pod filling stages. Peanut is planted both during dry and wet season. The maximum water requirement of the crop grown in dryland is estimated at 500 to 600

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