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PERMANENT REFERENCE

COMPETITION FOR FERTILIZER BETWEEN
MUNG BEAN (*Vigna radiata* L.) AND
Euphorbia heterophylla.

By

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ABSTRACT

This project was carried out to study the competition for fertilizer between Mungbean (*Vigna radiata* L.) and *Euphorbia heterophylla*.

Mungbean plant and *Euphorbia heterophylla* plant were grown in pots. Pots were arranged in Randomized complete block design in the green house at university of Peradeniya. Mungbean was planted with *Euphorbia heterophylla* at the ratio of 1:0, 1:4 and 1:8 the comparison weed and *Euphorbia heterophylla* was also planted separately.

Fertilizers such Nitrogen, Phosphorus+Potassium and Nitrogen+Phosphorus+potassium were applied as recommended by Department of Agriculture.

After 4 weeks of planting the growth parameters such as Plant height, Number of leaves, Leaf area, Shoot dry weight, and Root length were measured

Results were analyzed with statistically and showed that *Euphorbia heterophylla* growth at high density decreased the growth of mungbean, fertilizer anyway did not affect on early growth of mungbean.

CONTENTS.

	Page.
Abstract.	i
Acknowledgements.	ii
Contents.	iii
List of Table.	iv
1. Introduction.	1
1.1. General introduction.	1
1.2. Objectives.	2
2. Literature Review.	3
2.1.1. Weeds.	3
2.1.2. Euphorbia heterophylla.	3
2.1.3. Mungbean.	4
2.2.1. Weed-crop competition.	5
2.2.2. Competition for water	6
2.2.3. Competition for nutrients.	6
2.2.4. Role of nutrients in plants.	7
2.2.4-1. Role of nitrogen in plants.	7
2.2.4-2. Role of phosphorus.	8
2.2.4-3. Role of potassium.	8
3. Materials and Method.	9
3.1. Soil.	9
3.2. Treatments.	10
3.2.1. Fertilizer.	11
3.2.2. Seed treatments.	14
3.2.3. Weed densities.	15
3.2.4. Experimental design.	15
3.2.5. Root Washing and root length estimation.	18
3.2.5-1. Washing root by hands.	18
3.2.5-2. Estimation of root length.	19
3.2.6. Reasons for using of root length measurements.	20
4. Results and Discussion.	22
5. Conclutions.	27
6. Bibiliography.	228