



STUDY OF PROMINENT WEEDS GROWING IN OPEN LANDS OF SRI GANGANAGAR CITY

Dr. Sunil Kumar

Associate Professor, Botany

Govt. Girls College, Sri Ganganagar, India

ABSTRACT

Weeds are the plants, which grow where they are not wanted. Weeds can also refer to as plants out of place. Weeds are competitive and adaptable to all the adverse environment. Weeds produced a large number of seeds. Weeds seeds have wider adaptability so they can survive under adverse condition. Study of morphological and growth habits of weeds are essential for their control measures. A study is conducted to get familiar and list the prominent weeds growing in open lands of Sri Ganganagar city. *Abrus precatorius*, *Parthenium hysterophorus*, *Calotropis procera*, *Aerva javanica*, *Verbesina encelioides* are prominent weeds species in the study area.

KEY WORDS: Weeds, Seeds, Habit, Flowering and Fruiting.

INTRODUCTION

Weeds are no strangers to man, they have been their ever since farmer started to cultivate crops. Weeds are unwanted or undesirable plants compete with crops for water, soil nutrients, light and space and reduce crop yields. Weeds also affect the human health. This survey has the objective to list the prominent weeds growing in open lands of Sri Ganganagar city.

MATERIALS AND METHODS

Field area included for this survey is open lands of Sri Ganganagar city. Several field trips were conducted to collect information. Information also collected from local people and students.

OBSERVATION AND DISCUSSION

Twenty one weeds are described here with botanical name, common name, family, habit and flowering - fruiting.

S. No.	Botanical name	Common Name	Family	Habit	Flowering and Fruiting
1.	<i>Abutilon indicum</i>	Kanghi, Tara kanchi	Malvaceae	Shrub	Oct. - April
2.	<i>Argemone mexicana</i>	Satyanasi	Papavaraceae	Herb	January - April
3.	<i>Aerva javanica</i>	Bui	Amaranthaceae	Shrub	Aug. - January
4.	<i>Achyranthes aspera</i>	Chirchita, Uno kanto	Amaranthaceae	Herb	Aug. - Dec.
5.	<i>Amaranthus viridis</i>	Jungli chauli	Amaranthaceae	Herb	Through out the year
6.	<i>Amaranthus viridis</i>	Kante wali chauli	Amaranthaceae	Herb	Aug. - Nov.
7.	<i>Boerhaavia diffusa</i>	Punarnava, Santi	Nycataginaceae	Herb	Through out the year
8.	<i>Calotropis procera</i>	Aak	Asclepiadaceae	Shrub	Through out the year
9.	<i>Convolvulus deserti</i>	Santari	Convolvulaceae	Herb	Aug. - Nov.
10.	<i>Datura innoxia</i>	Kalo-dhaturo	Solanaceae	Shrub	Sept. - January
11.	<i>Datura innoxia</i>	Dhaturo	Solanaceae	Shrub	Sept. - March
12.	<i>Euphorbia hirta</i>	Dudhi	Euphorbiaceae	Herb	Through out the year
13.	<i>Euphorbia prostrata</i>	Dudhi	Euphorbiaceae	Herb	Through out the year
14.	<i>Echinops echinatus</i>	Unt kantara	Asteraceae	Herb	Dec. - April
15.	<i>Launaea procambens</i>	Jangli gobi	Asteraceae	Herb	Sept. - April
16.	<i>Parthenium hysterophorus</i>	Congress ghas	Asteraceae	herb	Through out the year
17.	<i>Solanum surattense</i>	Ringani	Solanaceae	Herb	March - July
18.	<i>Solanum nigrum</i>	Makoi	Solanaceae	Herb	Through out the year
19.	<i>Sonchus asper</i>	Kalijibi	Asteraceae	Herb	Oct. - Feb.
20.	<i>Tribulus terrestris</i>	Kanti, Gokhru	Zygophyllaceae	Herb	Aug.- Oct.
21.	<i>Verbesina encelioides</i>	Wild Sunflower	Asteraceae	Shrub	Oct. - Feb.

CONCLUSIONS

For the weed management weed identification is the first step. *Abutilon indicum*, *Parthenium hysterophorus*, *Calotropis procera*, *Aerva javanica*, *Verbesina encelioides* are prominent weeds species in the study area.

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