

Dedication

My parents,

Brothers,

Sisters,

And to all

My

Friends.

Acknowledgement

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Abbreviations and Acronyms

Local name	Latin name
Samour	<i>Acacia tortilis</i>
talih	<i>Acacia seyal</i>
higlig	<i>Balanites aegyptiaca</i>
sidir	<i>Ziziphus spina-Christi</i>
Usher	<i>Calatropis procera</i>
Tundob	<i>Caparis decidua</i>
Sunt	<i>Acacia nilotica</i>
Kitir	<i>Acacia mellifera</i>
Ban	<i>Euclayptus spp</i>
Basal	<i>Onion seed</i>
Barseem	<i>Trefoil sativum</i>
Abu sabsan	<i>Sorghum bicolor</i>

Abstract

The objective of this study is to evaluate the effect of shelterbelts on the farms in Ad Dawm village north Elgiely city, Khartoum State the methods followed to achieve this objective are:

Preparation of simple questionnaire, informal interview, reviews of document, visits and observations.

Ad Dawm village is always subjected to sand dunes because it is located in semi-arid zone. This problem threatened population and makes them seek for solution by planting and maintaining trees as shelterbelts around the farms through co-operation of local communities.

The study found the following results:

- Shelterbelts provide protection to villages and farms to a high degree.
- Shelterbelts around the farms increase the productivity of the crops.
- Shelterbelts contribute and provide a good chance to the natural forests to be established.
- Establishment of shelterbelts through communal activities increases the awareness of local communities about the protection Of their environment.

الخلاصة

اثر الاحزمة الشجرية على المزارع بقرية الدوم شمال مدينة الجبلى

- يهدف هذا البحث التكميلي لمعرفة الأثر الذي تقوم به الأحزمة الشجرية حول المزارع من ناحية الحماية من زحف الرمال والرياح و من ناحية زيادة إنتاجية المحاصيل بقرية الدوم شمال الجبلى بولاية الخرطوم .
- الطرق التي اتبعت في هذا البحث هو الاستبيان و المقابلات مع المواطنين بالمنطقة و مراجعة الوثائق الرسمية و الملاحظات و الزيارات الميدانية و تبادل الآراء مع ذوى الخبرة من المواطنين .
- أن قرية الدوم تتعرض لدفن الرمال للمزارع مما يهدد المزارعين بقلّة الإنتاجية و فقدم لبعض المساحات بالمزارع نتيجة لدفن الرمال و لابد من الالتفات بشده إلى المحافظة على هذه الأحزمة الشجرية حول المزارع عن طريق الجهد الشعبى بالقرية .
- خلصت الدراسة إلى الآتى :
- وفرت الأحزمة الشجرية الحماية للقرى و المزارع بدرجة كبيرة .
 - وجود الأحزمة الشجرية حول المزارع يزيد من إنتاجية المحاصيل .
 - الأحزمة الشجرية ساهمت في حماية الغابات الطبيعية .
 - إقامة الأحزمة الشجرية عن طريق الجهد الشعبى ساهم في زيادة وعى المواطن بضرورة حماية البيئة .

