



United States
Department of
Agriculture

Soil
Conservation
Service

517 Gold Avenue SW, Room 3301
Albuquerque, NM
87102

May 31, 1985

WOODLAND TECHNICAL NOTE NO. 33
190

SUBJECT: ECS - REPELLENTS AND PHYSICAL BARRIERS FOR ANIMAL CONTROL IN TREE PLANTINGS

Purpose. To distribute references of physical barriers and currently registered repellents for controlling animals in tree plantings.

Effective Date. Effective when received.

Explanation. A major problem in the establishment of tree plantings is the damage caused by browsing animals. Deer, elk, rabbits, porcupines, and many kinds of mice are the major offenders. Trapping, shooting or fencing are costly and have not proven too effective. Products have been developed that will reduce browsing damage to trees and seedlings. These are either chemical repellents or physical barriers that keep animals from reaching the seedlings or terminal buds.

Physical barriers such as plastic mesh tubes, netting, paper bud caps or chicken wire protect against browsing the main stem and/or terminal bud. However, if the barriers are of too small a diameter or improperly installed, the amount of air and light reaching the tree may be reduced. Flexible netting which is too tight may cause a heat build up and kill or severely injure the seedling or terminal leader. Some of these physical barriers are photo-degradable. Bud caps, made of a special paper, are placed around the terminal leader and bud. It protects 2 to 4 inches of terminal elongation.

Chemicals repel browsers by unpleasant tastes and odors. They do not hurt wildlife or trees. Some products may temporarily discolor the trees. Chemical repellents are classified as pesticides by the New Mexico Department of Agriculture. However, they are not restricted.

Ray T. Margo, Jr.
State Conservationist

Attachment

Distribution:

AC - 1

DC - 1

Adjoining States - 1

WNTC, Portland - 2

Ecological Sciences Division, Washington - 2



The Soil Conservation Service
is an agency of the
Department of Agriculture

Repellents

Name

Manufacturer:

(EPA and NM Dept of Agriculture
registered)

Gustafson 42-S

Gustafson Inc.
6350 LBJ Freeway
Suite 180
Dallas, TX 75240

Science Rabbit and Deer
Repellent

Miller Chemical & Fert. Corp
Box 333
Hanover, PA 17331

Rabbit and Deer Repellent

Fertilome
Voluntary Purchasing Group
P.O. Box 460
Bonham, TX 95418

Animal Repellent
Liquid Animal Repellent

Chacon
2600 Yates Avenue
City of Commerce, CA 90040

Physical Barriers

Vexar Netting

Sold by yard
Furnished In/rolls
48" x 50'

Nalle Plastics
20B Colorado Street
Austin, Texas 78701
(800)531-5112

Duronet

Tree Guards

Photodegradable
Mesh tubes - any dia.

Forest Protection
Products Co., Inc.
1420 North 7th St.
Coos Bay, Oregon 97420
(503)267-2622

"Rite in the Rain"

5 1/2" x 8 1/2" sheets

J. L. Darling Corp.
2212 Port of Tacoma
Tacoma, WA 98421
(206)383-1714

The listing of these products and manufactures does not constitute an endorsement by USDA/Soil Conservation Service. The products listed are a few of many products, or an example of these products.