

piled into heaps for burning; it is customary to form these heaps about regenerating fuchsia so that the heat will kill the plants.

Logging-up of an area should be done as soon as possible after the sward has become established, and the size of the area to be coped with is important. If too large an area be felled, it may be some years before the farmer can log up the whole block and much of it may revert in the meantime. By the use of bulldozers logging-up can be greatly facilitated, and good use has been made of these machines.

Seeds Mixtures

In some cases blocks of scrub were felled and burnt but were not sown out. That practice is very wasteful, for the scrub immediately comes in and again occupies the area.

On blocks cut under the scrub-felling scheme and sown out cocksfoot was predominant as a pasture species in the seeds mixture, and where it is growing in association with legumes such as white clover and *Lotus major* this grass is giving excellent results in providing feed. Cocksfoot was included in mixtures in quantities ranging from 8 to 14lb. It cannot be too strongly emphasised that only the best strains of grasses and clovers should be used as the components of a seeds mixture for sowing out on scrub burns, and the following might be recommended:—

	lb. per acre
Certified perennial ryegrass	12
Certified cocksfoot ..	10 to 14
Certified white clover ..	1½
<i>Lotus major</i>	1
Browntop	2
Crested dogstall	4
	30½ to 34½

Value of Liming

An encouraging feature to be noted in the Catlins district is the farmers' awareness of the benefits to be derived from the use of lime. The amount of lime delivered into this district is increasing yearly, and on properties where lime has been used for some years the results are most evident. The soils in the Catlins district have developed under bush, and their lime requirement varies with the type of forest trees which formed the cover.

The continued use of lime and phosphates on grassland in this area is certainly warranted.

Control of Rabbits

The ravages of the rabbit are too well known to need elaboration, but it may be emphasised that full effort should be made to check them during all seasons. Too often the life of a pasture is seriously reduced by their depredations in its establishment stages.



Fig. 2—Unburnt logs and sticks provide a nursery for such growth as fern.



Fig. 3—Results of a poor burn on the left and of a good burn on the right.



Fig. 4—Cultivated land in the Catlins district, showing the typical dark brown "mossbanks" common in some areas. Lime is necessary for the proper utilisation of this land.