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HUNTLY DYING JARRAH AREA.

MARRI PLANTING 1950.

In June 1950 three small Marri plots were established on this area. In advance of planting the area was cleared and the debris burnt. In addition to this treatment most of the ground was considerably disturbed by movements of the bull-dozer.

In the experiment three planting techniques were used.

1. Spot sowing of Marri. (3' X 3' spacing).
2. Planting Marri seedlings. (6' X 6' spacing).
3. Broadcast sowing of Marri seed at the rate of 2 lbs. per acre.

Treatments 1 & 3 have not been touched since 1950, but treatment 2 was refilled in 1951.

The condition of the plots in December 1952 was as follows:-

1. SPOT SOWING (3' X 3' spacing).

The average percentage survival in this area is 52%, the best survivals being in the vicinity of the ash beds, where the original 3' X 3' spacing has been retained. In this plot there are three ash beds where growth has been very good.

The height growth over the plot is very variable, varying between 1 foot away from the ash bed to 3 feet on the edge of the ash bed, and 4½ to 6 feet on the ash bed itself. The maximum growth of one of the young Marri was 10 feet.

2. PLANTING MARRI SEEDLINGS.

The planted stock was from Hamel Nursery and was planted at the age of six months. The failures were refilled in 1951. The spacing was 6' X 6'. The average percentage survival in the area is 67%, but there has been almost a complete failure at the bottom of the plot.

WEDNESDAY 21ST JANUARY 1950

Scattered young Marri show vigorous growth due to the effect of the ash bed, being up to 6' high, the others being 2 to 3 feet high.

3. BROADCAST SOWING.

Marri seed was broadcast over this area at the rate of 2 lbs. of seed per acre.

The germination of the seed was very uneven and it appeared as if the heavy winter rains had concentrated the seed in wheel tracks, etc.

There are two good ash bed plots on the area, with height growth of up to five feet, and with spacing approaching 3' x 3'.

The remainder of the Marri is up to one and a half feet high.

On these three plots the Marri looks much more healthy and vigorous than the Marri planted on Teesdale or Marrinup (10).

On these areas there was very little cultivation of the site before planting, and this cultivation probably helps the Marri in the first year by removing competition from other undergrowth species.

The height growth over the plot is very variable, ranging between a foot near the ash bed

R.F.O. Seward.

For your information.

W. Seward

Dwp
28/1/53

The plot of ... planted at the age of ... The average percentage survival in the area is 27%, but there has been a complete failure at the bottom of the plot.