

## **Plaza Pedro de Valdivia, Providencia, Santiago - Chile**

A new plantation with homogeneous characteristics is chosen for investigation



On 5/11/2022, Agropelo solution was installed, applying 4 cm of spare hair (not felted), corresponding of 3kg of hair/m<sup>2</sup> on all the surface around the plants

The area of study corresponds to 31 plants with hair, and 25 plants without intervention are defined as the control area.

**Both areas are covered with rubble-type stones by the municipal team**



Plant size measurements are carried out on May 20 and August 5. The evolution of weeds in the two zones is also evidenced, with photographs

### Growth results

Control		Hair	
AVERAGE HEIGHT 20/5	AVERAGE HEIGHT 5/8	AVERAGE HEIGHT 20/5	AVERAGE HEIGHT 5/8
24,2	25,6	23,3	26,2
GROWTH	+1,4	GROWTH	+2,9

Plants in the control areas had an increase of 1.4 cm in height, during the 77 days between measurements, while the plants in the intervention area with hair had a growth of 2.9 cm.

### Weed development

We evidence with photography that the control zone had a greater development of weeds

### Control





### Hair



It's evident that, in the area surrounding the intervention, (not covered by gravel or hair solution), there was an important development of weeds

It's recommended to completely cover this area to avoid weed growth around the intervention area

### Irrigation

During the experience, irrigation was reduced from every 2 days to every 5 days. The plants didn't suffer from the reduction of water