

Residents' Fuel Load Depth Gauge Tool Kit



Living in the City of Kalamunda is a lifestyle choice that requires a heightened awareness of issues such as bush fires. Reducing fuel loads is a key component of being prepared for such events.

This tool kit has been produced by the City of Kalamunda to assist you with measuring the approximate vegetative fuel load across your property.

For more details contact the City of Kalamunda on 9257 9999 or go to kalamunda.wa.gov.au

Vegetative Fuel Load Depth Gauge

Total Indicative Fuel Load (TIFL) = Litter weight + (Scrub Weight x Scrub Flammability Factor)

How to measure your Total Indicative Fuel Load:

Step 1 - Divide your property into different sections (cells) based on the vegetation variation across your property.

Step 2 - Take three (3) samples in each cell to establish an average fuel load for each cell.

Insert ruler here

POP OUT

Step 3 - Make a small hole in the leaf litter and remove any coarse material.

Step 4 - Detach ruler and disk from this sheet, then place the 0-mm end of the ruler through the slot above in this disk.

Step 5 - Place the end of the ruler on the soil surface and gently press down on the disk (enough to hold a tennis ball under water).

Step 6 - Read the litter depth from the ruler and use this measurement to determine the litter weight per hectare from table A* in the booklet.

Step 7 - Refer to table B* to determine scrub base weight.

Step 8 - Refer to table C* to determine the most appropriate Scrub Flammability Factor.

* Refer to overside of this disk to view tables A, B and C.

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Maintain

Work
Required

Dangerous Fuel Load Level
Work Required



Be Clear Before You Clear

How do I reduce my fuel load if it is too high?

This can be achieved by a hazard reduction burn, pile burn, traditional raking and removal or vegetation modification.

Do I need to clear all native vegetation on my property?

No, the City of Kalamunda Fire Hazard Reduction Notice requires fuel loads to be reduced to no more than 8 tonnes per hectare (8t/ha). This does not mean all native vegetation must be cleared on your property.

I have measured my fuel load. What do I do now?

A City Officer will be able to assist you with your enquiry or alternatively a Fire Control Officer can carry out a site visit and provide some guidance and documentation. For more information contact 9257 9999 or enquiries@kalamunda.wa.gov.au.

Tear here

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Table A - Litter Weight

Litter Depth (mm)	Litter Weight (T/ha)
5	2.7
10	5.3
15	8.0
20	11.0
25	13.0
30	14.0
35	19.0
40	21.0
45	24.0
50	27.0

Table C - Scrub Flammability

Scrub Condition	Scrub Flammability Factor
Green / young	1
20% dead	2
50+% dead	3

POP OUT

Insert ruler here

Table B - Scrub Weight

Scrub Height (m)	Scrub Base Weight (T/ha)		
	Dense	Medium	Sparse
1.5+	7.0	5.0	4.0
1.2	5.0	4.0	3.0
0.9	3.0	3.0	2.0
0.6	3.0	2.0	1.5

Tear here

