



**Pollen Count Record Sheet**

**Sample number:**

**Location:**

**Start date & time:**

**Finish date & time:**

**Flow meter (initial):**

**Flow meter (final):**

**Air flow total:**

**Eyepiece:**

**Objective:**

**Magnification:**

**Entire filter paper weight:**

**Cut filter paper weight:**

**Width of sample (mm):**

**Diameter (mm) of 'field of view' (f.o.v):**

**1. Pollen Count**

Tally the pollen grains you observe from at least 5 traverses. Be careful not to traverse the same area twice.

<b>Traverse Number</b>	<b>Grass</b>	<b>Trees</b>	<b>Weeds</b>
1			
2			
3			
4			
5			
6			
7			
8			
<b>Total pollen grains</b>			
<b>Average no. of grains / traverse</b>	<b>(g)</b>		

**2. Calculate the grass pollen grains in your cut sample**

$$\text{No. of grass pollen in sample} = \text{Ave. grass pollen grains / traverse (g)} \times \frac{\text{width of sample}}{\text{diameter of f.o.v}}$$

No. of grass pollen in sample = \_\_\_\_\_

**3. Calculate the grass pollen on entire filter paper**

$$\text{Total grass pollen on filter paper (tgp)} = \frac{\text{No. of grass pollen in sample (2)} \times \text{weight of entire filter paper}}{\text{weight of cut sample}}$$

$$= \text{_____ (tgp)}$$

**4. Calculate the grass pollen grains per cubic metre of air**

$$\text{Grass pollen / m}^3 = \frac{\text{pollen grains on entire filter paper (tgp)}}{\text{total air sampled m}^3}$$

$$= \text{_____ pollen grains / m}^3$$