



WETTING AGENT INJECTION SYSTEMS

How to calculate the rate of 'Turf Culture Push Through' for injection systems.

Four questions need to be answered by the turf manager:

- Q1** How much diluted wetting agent does your injection system draw into the watering system per cycle?
- Q2** What is your average number of full irrigation cycles per month?
- Q3** What area (ha) does a full irrigation cycle cover?
- Q4** What is the size of the container that you dilute the wetting agent into? (i.e. 1000L IBC)

$$= (Q1 \times Q2) / Q3$$

$$= y$$

$$= Q4 / y$$

$$= \text{The amount of product needed to put into the mixing container}$$

EXAMPLE

Royal Asher Links (18 holes)

Answers to the above questions as follows:

- Q1** 20L
- Q2** 16
- Q3** 20
- Q4** 1000L

$$= (20 \times 16) / 20$$

$$= 320 / 20$$

$$= 16$$

$$= 1000 / 16$$

$$= \mathbf{62.50}$$

This tells us that **62.50L** of Push Through is needed to be added to the **1000L** tank with the water.

That means that the 1000L of pre-mixed product will last **3.1 months** (i.e. 1000L / 320L used per month = 3.1 months).

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