

Ken Rain

Irrigation

Warehouse

“Your Environment Improvers”

Office - (08) 85225550 Fax. (08) 85224401

E-Mail:- ken@harringtonassociates.com.au Web:- www.harringtonassociates.com.au

Fact Sheet .1.

Watering the Garden with tank stored Rain Water.

Setting up tanks to collect rain water and use it to water the whole garden through out the year is possible so long as you have,

1. the roof area for catchment
2. sufficient area to place tanks large enough to hold the required water
3. sufficient rainfall to fill the tanks

How big will the tank holding capacity need to be?

Lawn areas – for approximately 100 sq. m. of lawn (10m x10m) using sub surface pressure compensated 2 l.p.h. drippers @ 300mm spacing. The lawn would have approximately 340 drippers x 2 l.p.h. = 680 l.p.h. for one application.

Watering between the months of October to March is 26 weeks.

Watering the lawn once a week – 26 weeks x 680 lt. / application = 17,680 lt. of water

Shrub areas - using fixed 4 l.p.h. pressure compensated drippers for approximately 300 plants.

The shrub area would have approximately 300 drippers x 4 l.p.h. = 1200 l.p.h. running for approximately 4 hrs for one application = 4800 lt. / application

Watering between the months of October to March is 26 weeks.

Watering the shrub area once a fortnight – 13 weeks x 4800 lt. / application = 62,400 lt. of water

On a garden this size 80,080 lt. approximately would be used over the dry period. That isn't allowing for pot plants or a vegie area. Therefore a minimum holding capacity (4) x 22,500 lt. (5000 gal.) tanks a total of 90,000 lt. (20,000 gal.) would be required.

Please note:- these figures are indicative only and will vary with soil types and site conditions. Some Summer showers may add a little to the tank in the dry period but should be regarded as a bonus and not counted on. Some lawns may be alright watered once a fortnight and shrub areas, especially established gardens once a month, though they may require a little longer watering time to allow a deeper penetration.

