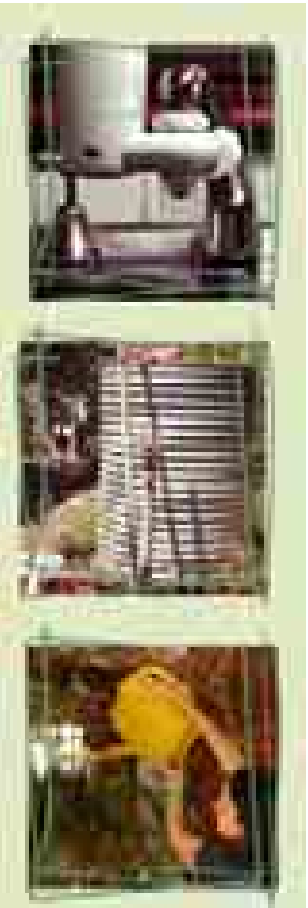
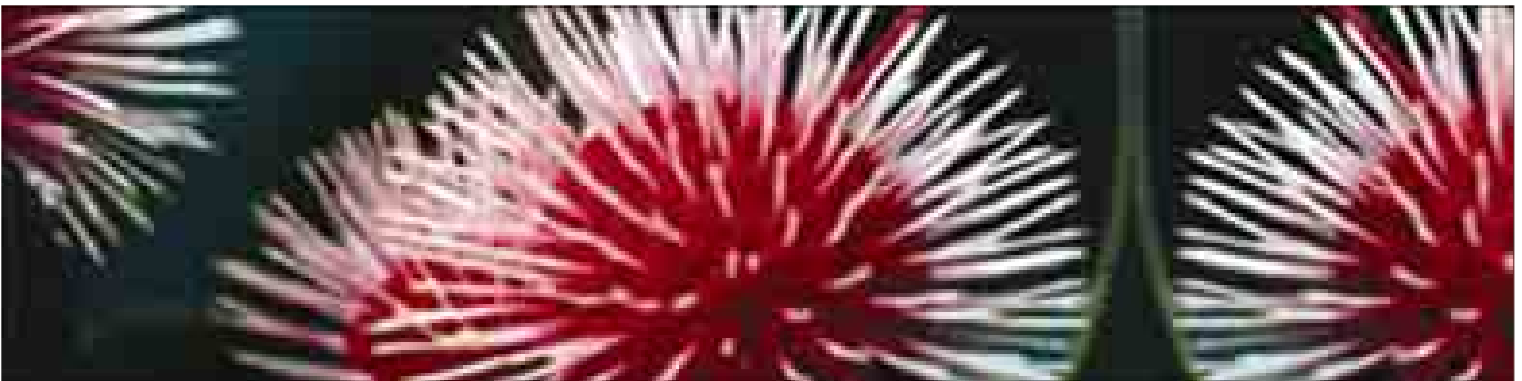




# Welcome to Week 4

## Water Smart

### Gardening for Biodiversity



# RPH Course Outline

<i>Wk1: 3/3</i>	<i>Thinking Smart, Climate Change</i>
<i>Wk 2: 10/3</i>	<i>Power Smart</i> <i>Move Smart</i>
<i>Wk 3: 17/3</i>	<i>Healthy You</i> <i>Waste Smart</i>
<b>Wk 4: 24/3</b>	<b>Water Smart</b> <b>Gardening for Biodiversity</b>
<i>Wk 5: 31/3</i>	Healthy Home Community Smart Living Simply
Field Trip: Sat 28/3	Gardening for Productivity 9:30am to 11:30am



# Tonight's Program

5:00-5:15	Start-up, review goal achievement
5:15-5:20	Recycling at RPH - Dayna
5:20-6:25	Water Smart – Shani Graham
6:25-6:40	<i>Break</i>
6:40-7:20	Garden Smart for Biodiversity
7:20-7:30	Goal Setting



# What Have You Done Since Last Week?

- In Table Teams:
  - Discuss what you have done since last week;
  - Select the person/household that has achieved the most;
  - Prepare to report back to main group;
- Time: 5 minutes



# HEAT

## Recycling at Royal Perth Hospital



# PAPER

Please place in the BLUE BINS

- Paper (Confidential and Non)
- Light cardboard (eg: tissue boxes)
- Magazines (staples and all!)
- Newspapers
- Envelopes (including window)

To empty the blue bins call housekeeping on 42276

*Specialized Security Shredding collects the Blue Bins  
from RPH*



# CARDBOARD

- Please flatten all cardboard boxes and place by your blue bins
- Housekeeping will collect the cardboard

*City of Perth collects the cardboard from RPH*



# BATTERIES, MOBILE PHONES and PRINTER CARTRIDGES

- Please keep a small container in your department for collection of all batteries, phones and printer cartridges
- When container is full – please contact

**Ray Stevenson**

**9224 2700 or 0404 894 031**





# PLASTICS

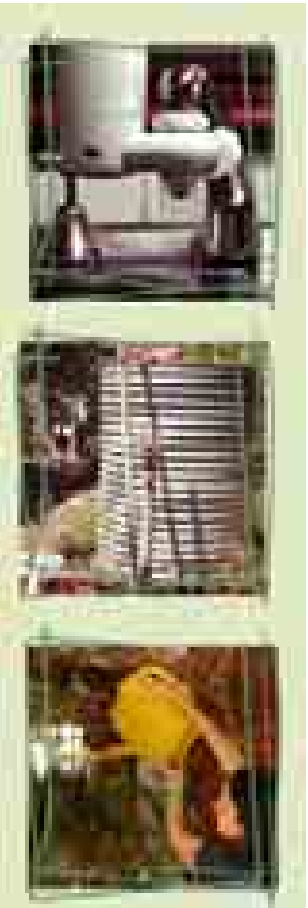
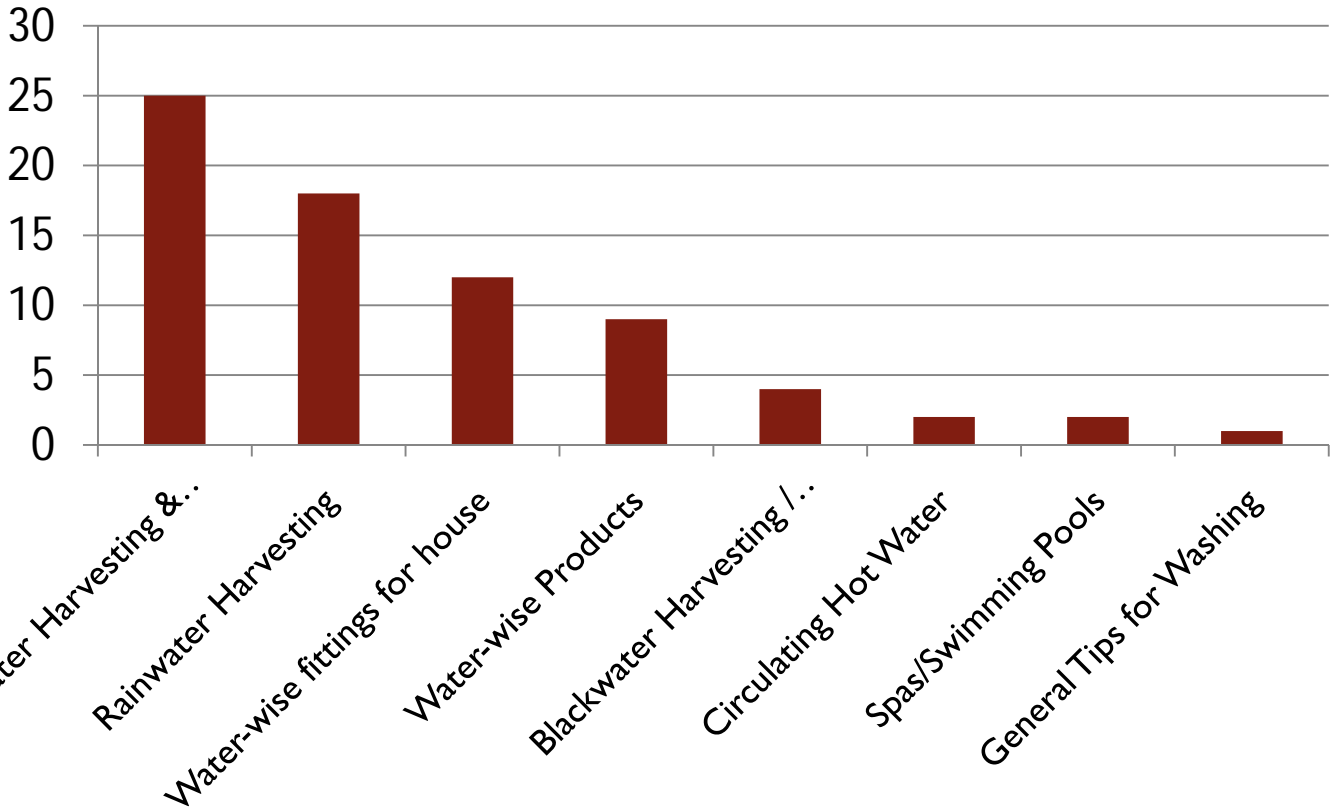
- HEAT is pursuing comingling recycling at RPH
- Negotiations with House keeping are continuing



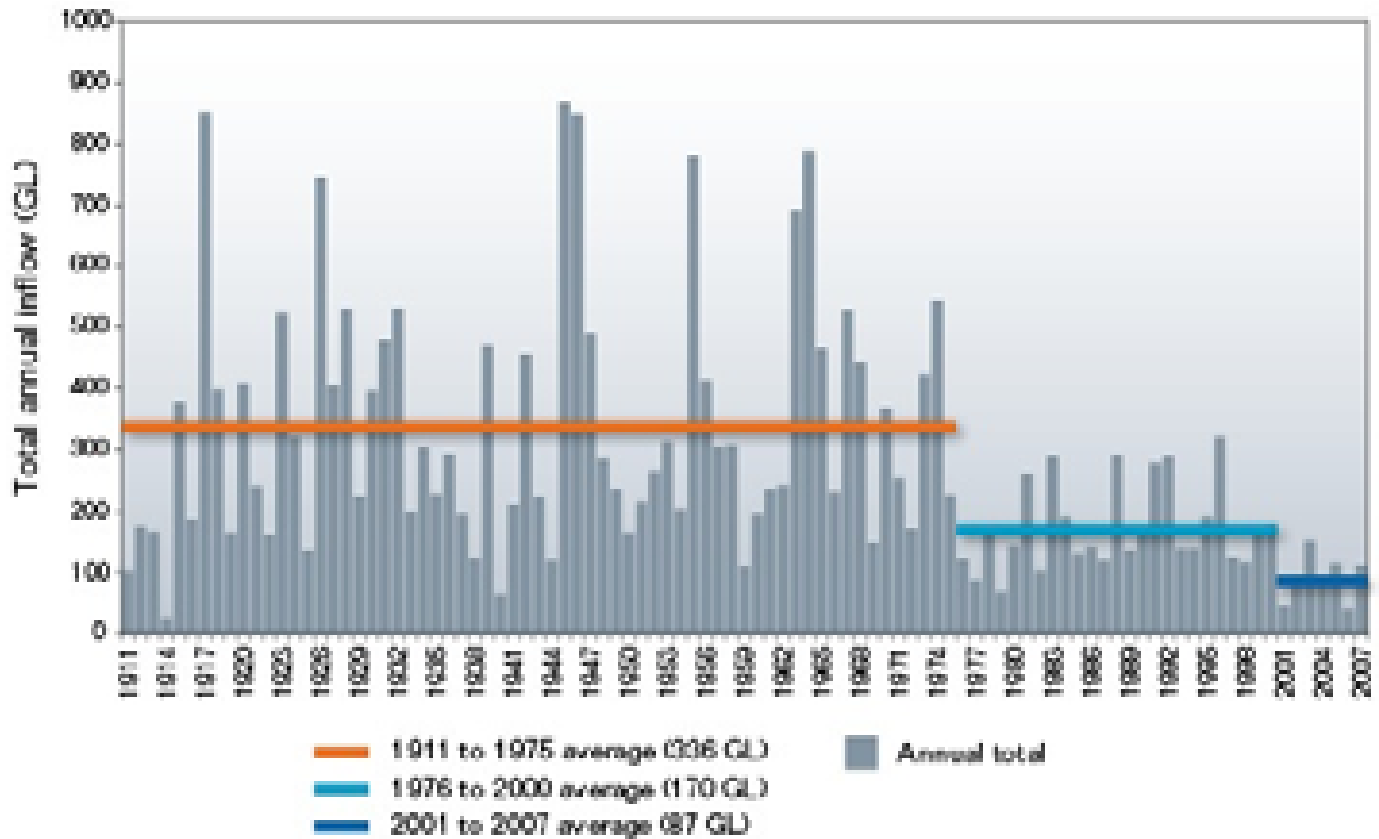
# Water Smart



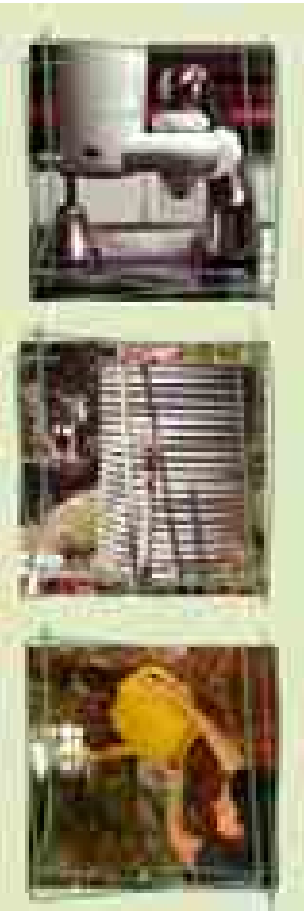
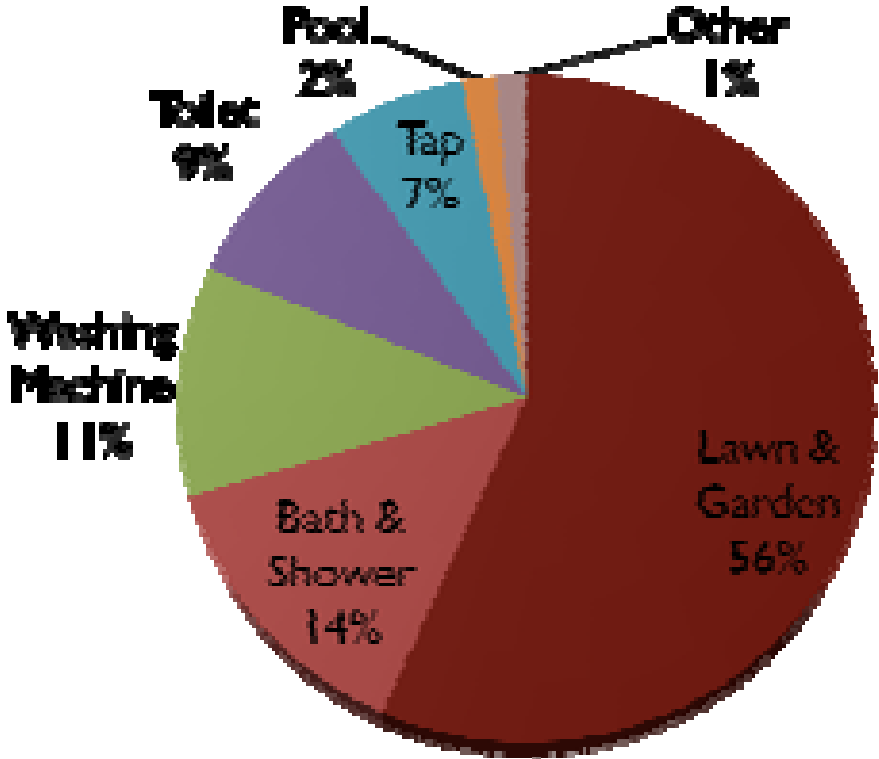
# Water Smart Topics



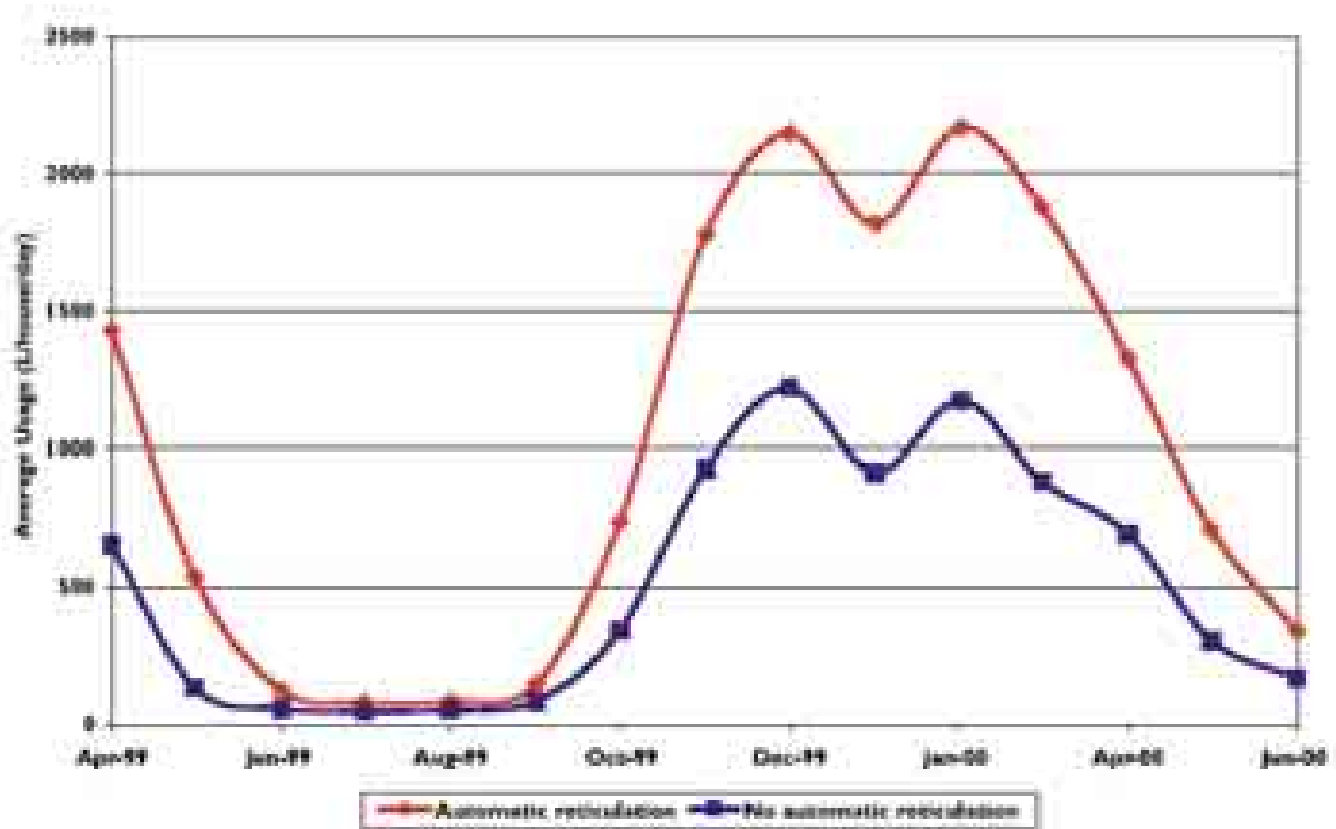
# Perth Annual Streamflow



# Water Use in WA Households



# Effect of Automatic Reticulation



# Waterwise Irrigation



# Contemporary Spray and Sprinkler irrigation systems

- extremely wasteful (water, energy, labour, chemicals)
- not very environmentally-friendly, and increase risk of plant fungal diseases
- inflexible and not very suited to complex gardens layouts

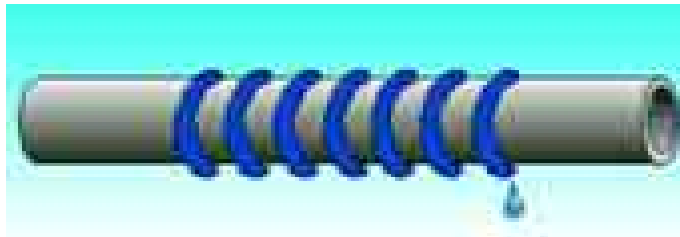




# Why use Drip Irrigation?

## Why do we need to change?

- Increasing cost of water and power
- Depletion of our water resources
- Pollution of our water bodies
- Pressing demand for more efficient systems
- Need safer ways of re-using our greywater
- Vandalism, Public Liability



Drip irrigation can be pressure-compensated, self-flushing, anti-siphoning and have a shut-off mechanism.



# Benefits and Limitations of Dripper Irrigation

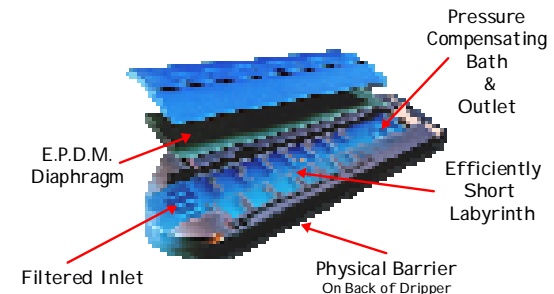
## 💧 BENEFITS

- 💧 Efficient water use (uniform, good recovery)
- 💧 Low application rate (reduced risk of runoff)
- 💧 Ideal for odd shapes & narrow strips
- 💧 Improved disease control
- 💧 Effluent (eg greywater) reuse
- 💧 Reduces weed growth
- 💧 Allow for 24 hour operation possible
- 💧 Reduces exposure to vandalism
- 💧 Reduced injury risk
- 💧 More energy-efficient

## 💧 LIMITATIONS

- 💧 Requires capillary action of water to work
- 💧 More technical maintenance required
- 💧 May need replacing after 3-5 years if drippers blocked
- 💧 Does not tolerate short cuts
- 💧 Establishment of lawn may require temporary overhead watering

Techline Dripper



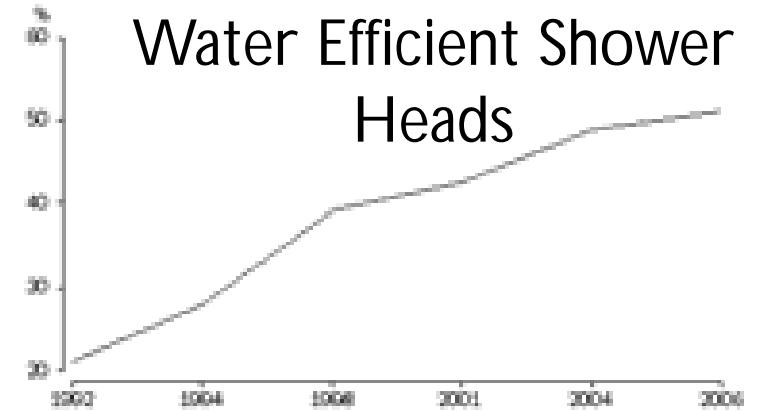
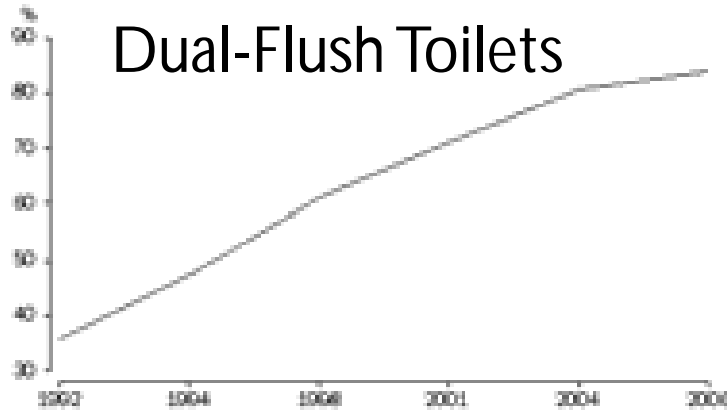


# Domestic lawns

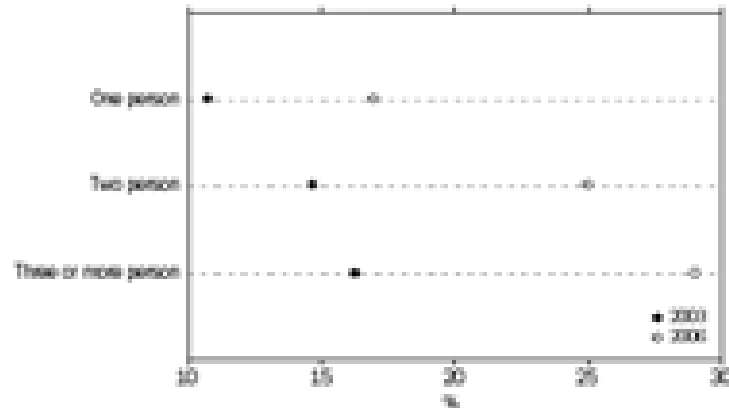
## Roll on turf in sandy soils



# Trends in Water Efficient Fittings & Appliances



## Front Loading Washing Machines



# Low Flow Shower Heads

- Perfectflow Ultimate showerhead
- 5.5l per minute
- \$24.99
- [www.perfectflow.com.au](http://www.perfectflow.com.au)



# Shower Saver



Living  
Smart

<http://www.showersaver.com.au/>

# Water Efficient Appliances

