



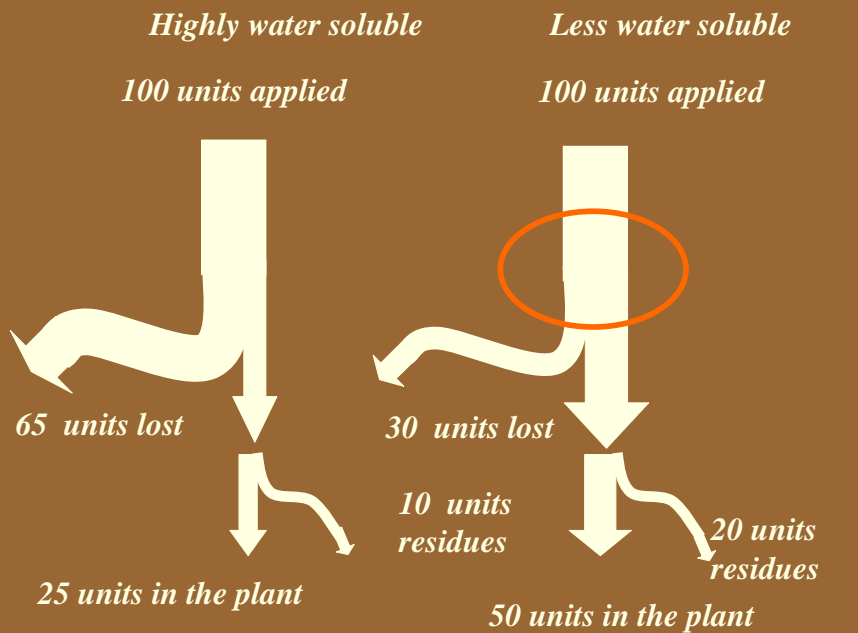
WA's Fertiliser Action Plan

**Phasing out Highly
Water Soluble Phosphate Fertilisers
in South West, Western Australia – a waterways
protection strategy**

The Issue



The Issue



<i>Landuse</i>	<i>(% area)</i>	<i>(% inlet P Load)</i>	<i>P export rate (kg ha⁻¹)</i>
Remnant Vegetation	25	0.1	0.03
Cattle for Beef	42	51	5.7
Cattle for Dairy	8	13	8.4
Mixed Grazing	4	2.8	3.0
Dairy Sheds	<1	0.2	
Feedlots	1	5	30
Mining	3	0.7	0.7
Horses	3	2.8	5.8
Cropping	<1	0.1	0.9
Horticulture	2	1.8	8.2
Plantation	1	0.3	0.9
Urban	3	11.7	7.4
Peri Urban	5	8.2	4.0
Piggery	<1	2.3	57
Other – poultry, processing	<1	0.2	6

Fertilisers in WA

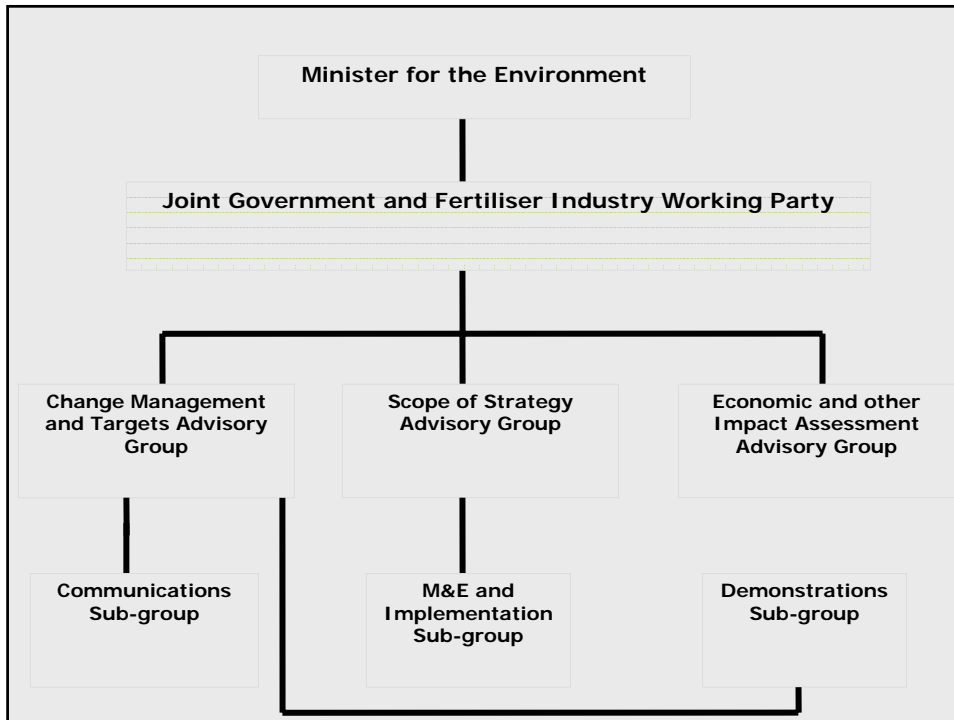
Product	Total P (%)	Water Solubility (%)
Single Super ('Super phosphate')	8.8	77
Double Super	17.1	80
Triple Super	20.7	78
MAP	21.9	83
DAP	20.0	89
'Turf Special'	1.8	83
'Potato E'	7.0	83

Fertilisers in WA

Product	Total P (%)	Water Solubility (%)
Lime Reverted Super	7.0	39
CSBP 'coastal super' (Mk I)	7.2	6
CSBP 'coastal super' (Mk II)	9.0	27
Agmin	4.5	17
'Red mud' coated Superphosphate	7.1	39
Reactive Phosphate Rock	10 to 18	0

Approaching a Plan

- Previous & ongoing work recognised
- But the problems persist
- We need something new
- Government & Industry approach to product replacement
- Future work with stakeholders



Action Plan Aim

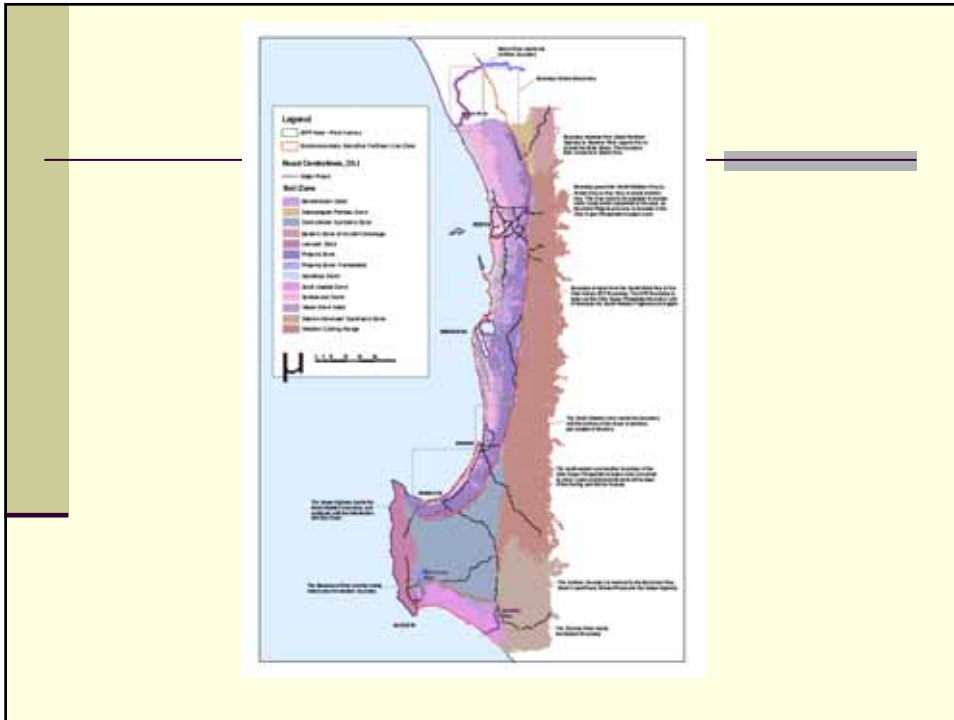
To phase out the use of high water soluble phosphorus fertilisers in environmentally sensitive areas of the coastal plain in Western Australia within 4 years (i.e. by June, 2011).

Action Plan – Key Elements

- **‘River Friendly’ bagged products**
- **Demonstrate LWSP fertiliser management**
- **Arrange bulk LWSP supply**
- **Engage with all fertiliser user groups**
- **Encouraged Nutrient Management Plans**

Action Plan – Key Elements (Continued)

- **Accredited NMPs for approved ‘exceptions’**
- **Partnership Arrangements for targeted industry-based nutrient programs**
- **Regulate non-compliance (suppliers and users) following a reasonable period**
- **Monitor, evaluate and report on the change**



Benefits & Costs

Benefits

- Social, economic and environmental values of waterways and wetlands
- Potential production benefits by 'best practice' adoption

Manufacturer costs

- Costs of production, re-labelling and distribution

Supplier costs

- Inconvenience through compliance requirements

User costs

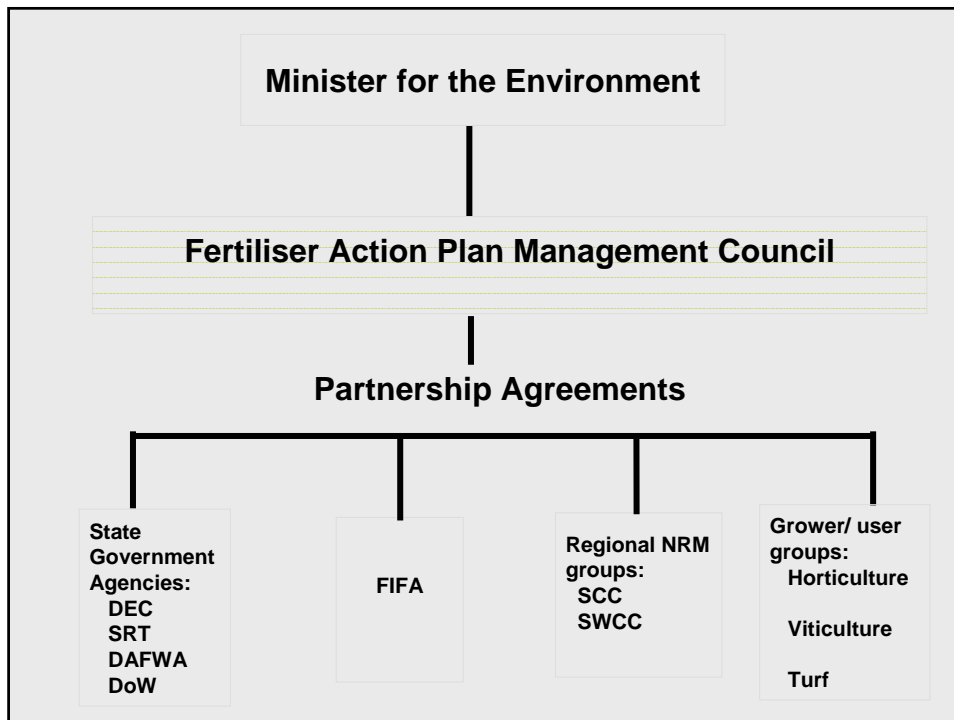
- Potential higher fertiliser costs
- Costs of Nutrient Management Plans

‘Exceptions’ To The Phase-out

- **Accredited ‘Nutrient Management Plan’**
- **Evidence of low environmental risk**
- **No alternative LWSP fertiliser available as an acceptable replacement**

Implementation Framework

- **State Environmental Protection Policy**
- **‘Reach through’ to other laws**
- **Across-Government lead**
- **All partners involved**



Current action & next steps

- Fertiliser Action Plan released
- Symposium
- User group briefings
- Submissions analysis
- Report to Minister
- Implementation



Highlights & Conclusion

- This isn't easy
- Build on existing work but we need more
- Regulation is part of this
- Urban and rural
- Long lead times
- Partners & goodwill are essential

