

SPORTS OVAL APPLICATION

■ WHO IS BOWISE

BioWise, a joint development initiative between SITA Organics and the Water Corporation of Western Australia, produces high quality compost for sports ovals. This material can be applied as a way of growing, topdressing and remediating sports oval playing surfaces.

BioWise compost is produced from the organic matter and nutrients in green organics, biosolids and food residue, and is carefully matured to ensure compliance with Australian Standard AS4454 Composts, Mulches and Soil Conditioners. BioWise compost has the following characteristics that are beneficial for sports ovals:

■ GRADES

Different grades of compost are produced for use in different applications:

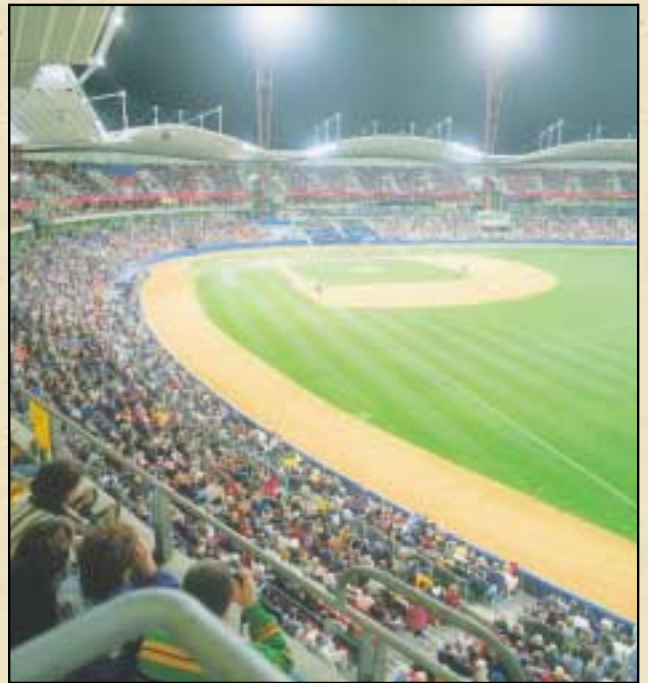
- Coarse-grade mulch/compost is ideal for erosion control and weed suppressant
- Medium textured compost is ideal for bare soil applications prior to regeneration of soil patches.
- Fine compost can be used to top dress turf and alleviate soil compaction

■ PRESENTATION

- The product resembles a rich dark topsoil
- Pleasant earthy odour
- Light and crumbly texture

■ BOWISE COMPOST FOR SPORTS OVALS

- Produces permanent growth due to improved soil structure
- Increases fertiliser efficiency
- Reduces irrigation requirement
- Prevents erosion and turf loss on playing fields
- Increases resistance to common turf pests and diseases
- Stimulates turf establishment



- Alleviates soil compaction, through increased organic matter content, air movement, water and nutrients within the soil
- Reduces the visible effects of soil compaction, such as bare soil, weeds, increased run off and surface puddles
- Promotes a slightly softer soil playing surface

■ BIOCHEMICAL PARAMETERS AND QUALITY

- BioWise compost is free from dieback contamination
- BioWise product is free of viable weed seeds which are destroyed during the composting process
- Increases soil nutrient content and satisfies plant nutrient requirements, in a mix of quick and slow release nitrogen, potassium, phosphorus, and micronutrients such as calcium and magnesium
- Promotes microbial activity for soil aggregate formation and plant disease suppression
- Adds organic bulk and humus to vitalise poor soils
- High in trace elements
- The product is 100% organic - no fertiliser added

■ PHYSICAL PARAMETERS AND QUALITY

- BioWise product is free of large stones, pieces of wood and other undesirable contaminants which could damage mowing equipment
- BioWise product improves water retention in sandy soils and drainage in clay soils, which improves the efficiency of water run off and evaporation from the soil surface
- The moisture content is between 30-50%, which is ideal for handling, surface applications and soil incorporation
- BioWise compost can be easily amended with bulking agents for specific requirements such as soil compaction and topsoil applications

■ PRODUCT SPECIFICATIONS

Particle size grading:

- Erosion control compost - Medium to coarse grade
- Compost for sports oval - Fine grade
- General use compost - Fine to medium grade

Moisture content: 30-50%

C:N ratio: 15-25:1

pH: 6.0 - 8.0

Total Nitrogen: 0.8 - 1.3%

Total Phosphorus: 0.1 - 1.0%

(suitable for all plants except P sensitive)

Wettability: 3.44

NDI: 1.23

Organic matter:

- Compost for sports oval > 60%
- Erosion control compost > 40 - 60%
- General use compost > 40 - 60%

Note: all criteria above comply with AS4454

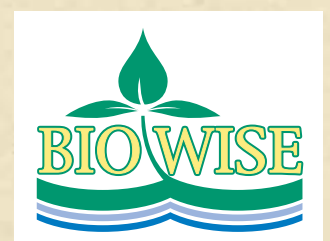
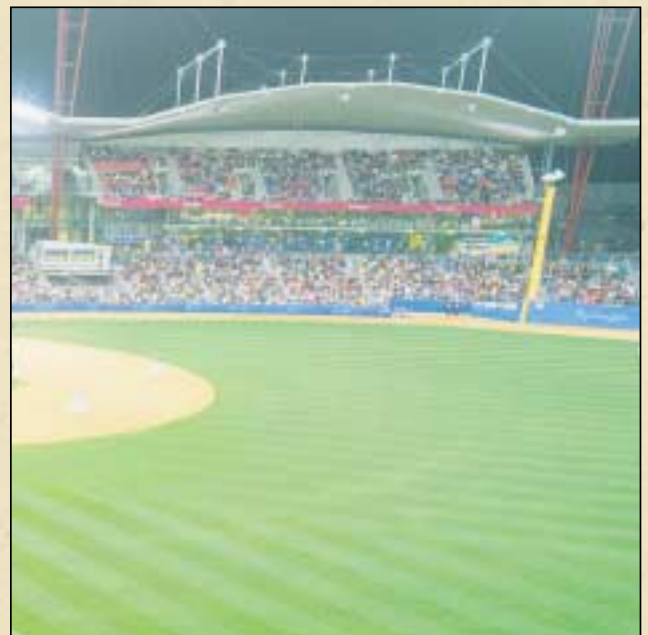
Australian Standard - Composts, Soil Conditioners and Mulches

■ RECOMMENDED APPLICATION RATES AND METHODS ARE:

For all benefits (except soil compaction, mix 2 -5 cm of BioWise compost into the top 10-15 cm of soil for turf establishment. The lower rate (2cm) is better suited for marginally good soil, while the higher rate is ideal for sandy soils, clay soil, or subsoils low in organic matter. For best results ensure the compost is properly mixed with the soil.

When topdressing, apply 0.5 - 1 cm of BioWise compost on established turf. For best results aerate soil prior to topdressing.

For soil compaction, compost can be mixed with a bulking agent, such as crumb rubber or woodchips. 2 - 5 cm of this mix should be tilled into the top 7 - 10 cm of soil prior to seeding.



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