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# ***Bokashi Bran***

food waste recycling  
to compost







**2 days of food waste from Gold Reef City  
AFTER MACERATION AND DEWATERING!**

***Bokashi  
Bran***

food waste recycling  
to compost





# 1 tonne of food waste

kg of CO2 emissions

800  
700  
600  
500  
400  
300  
200  
100  
0

[VALUE]kg



Landfill

[VALUE]kg



Compost

Method of disposing of food waste



# CUSTOMER CHALLENGES

## WASTE COLLECTION COSTS



## SMELLY WASTE AREAS

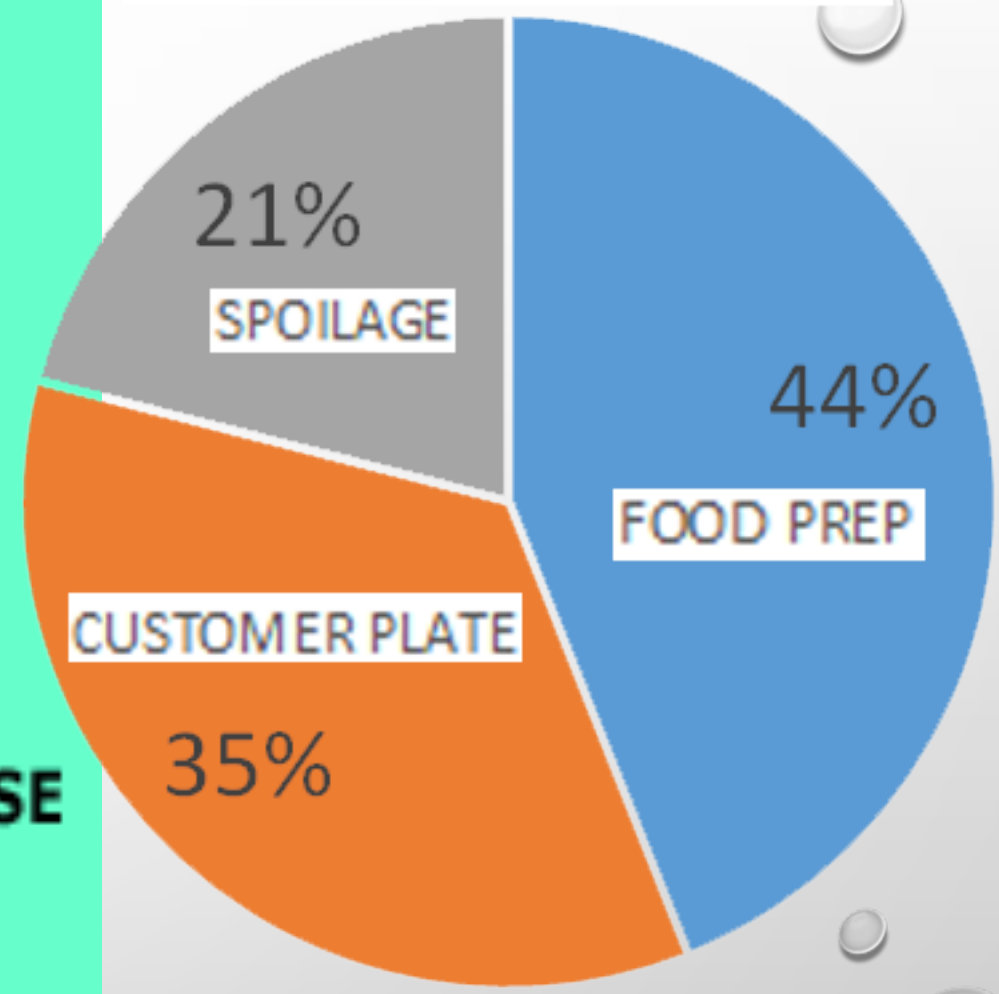


## CORPORATE ACCOUNTABILITY





# FOOD WASTE



***Bokashi Bran***  
food waste recycling to compost





**Separate food  
waste at  
source**



**food waste  
minimisation**



**Treatment of  
food waste  
with bokashi**



**Re-use for  
planting  
food**



**Recycle  
into  
compost**



# CASE STUDY



SILVERSTAR

CASINO, HOTEL & ENTERTAINMENT



Gold Reef City

PURE JOZI, PURE GOLD

***Bokashi  
Bran***

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to compost





- **Landfill waste REDUCED 66% (40 tons to 12 tons)**
- **Recyclables increased by 20% (13 tons to 16 tons)**
- **42% SAVING in waste collection costs**
- **In only 10 months – diverted 288 tonnes of food waste from landfill**

REDUCE WASTE TRANSPORTATION & LANDFILL NECESSITY

ORGANIC WASTE

LIQUID  
FERTILIZER

HOME  
BIOGAS



GENERATE YOUR  
OWN ENERGY

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Bran***

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GROW FOOD  
ANYWHERE

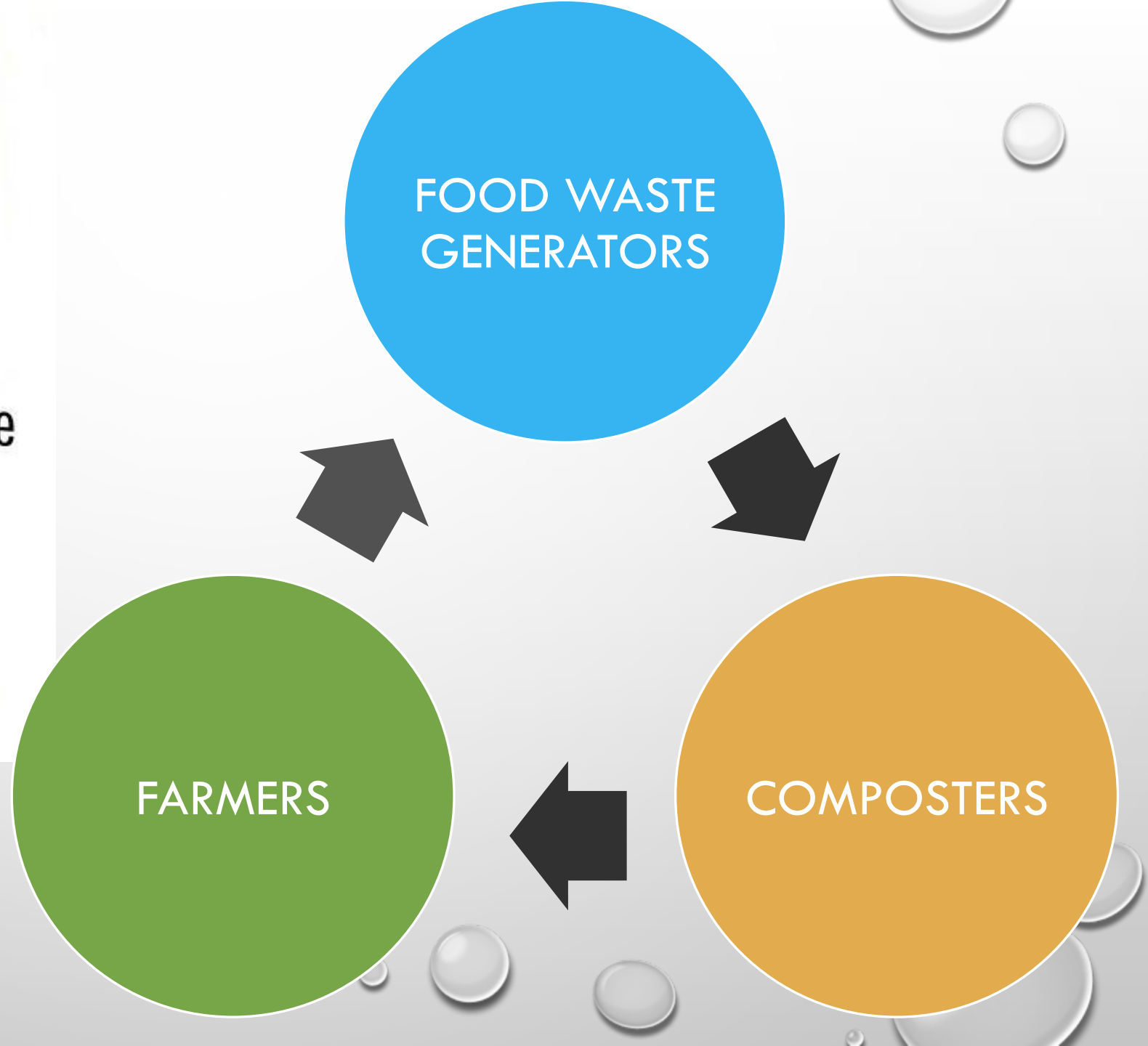




Women and Youth in Agriculture



***Bokashi Bran***  
food waste recycling to compost



<b>NATURAL CAPITAL</b>	✓	<ul style="list-style-type: none"> <li>• Turning the wheaten-bran, a by-product into a valuable resource.</li> <li>• Turning food waste into a resource</li> </ul>
<b>INTELLECTUAL CAPITAL</b>	✓	<ul style="list-style-type: none"> <li>• Recipe of bokashi</li> <li>• Local machine for processing food waste</li> </ul>
<b>MANUFACTURING CAPITAL</b>	✓	<ul style="list-style-type: none"> <li>• We have developed the manufacturing plant for bokashi.</li> <li>• Ready to scale the business now.</li> </ul>
<b>HUMAN CAPITAL</b>	✓	<ul style="list-style-type: none"> <li>• Production staff</li> <li>• Technical staff</li> <li>• Logistics</li> </ul>
<b>SOCIAL CAPITAL</b>	✓	<ul style="list-style-type: none"> <li>• Bokashi into communities to solve food security issues and service delivery issues.</li> </ul>
<b>FINANCIAL CAPITAL</b>	✓	<ul style="list-style-type: none"> <li>• Bokashi Bran has improved turnover from R120 000 in Year 1 to R1.2million in year 5.</li> </ul>



# What is Bokashi Bran's need right now?

- Equipment to increase production
- Custom-build trucks for food waste collection
- Local macerating machine and in-vessel composting unit



# *Bokashi Bran*

food waste recycling to compost



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