

Agritel

Industrial and Agricultural Packaging

Baling of Waste Plastic Trial

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Baler Trial

Skip 1



6 cu yd skip containing 400-450kg waste plastic ...



... reduced to a single bale.

Skip 2



600kg polypropylene IBC fertilizer bags: 220 inner and outer bags filled a 6 cu yd skip.



220 outer bags reduced to a single bale weighing 236kg.

Comparative Disposal Costs

By skip

- Hire of 2 skips for 2 weeks = £240 (normally nearer £500)

By baling plastic

- Baler hire 1 day at £100 = £100
- Removal 1 bale polypropylene = £0
- Removal 1.2 bales agri plastic at £45 per bale = £54
- **Total = £154**

**Cost benefit of recycling in bale format
= 50% cost saving (approx)**

What the Recycler Wants

- **Clean as possible:** no stones, no metal
- **Chemical containers guaranteed clean** (possibly with written guarantee)
- **Plastic sorted by type**
- **Minimum 5 tonnes at yard gate** (mixed loads OK)
- **Minimum bale size 250kg**
- **Identification and traceability** (Agritel ISO 9001:2000 accredited)

Types of Agri-Plastic Waste

Material	Type of Plastic	Comments
Silage Film	Polyethylene	Reduce contamination; store in containment area
Plastic Feed Bags	Polyethylene	Bale with silage film
Crop Cover	Polyethylene	Roll into manageable sized balls; bale separately
Netwrap	Polyethylene	Not sure of outlet
Baler Twine	Polypropylene	Place in IBC woven bag
IBC Woven Fertilizer Bags (Outer)	Polypropylene	Remove inner liners and bale with silage film
Rigid Plastic Chemical Containers	Polyethylene	Must be guaranteed free of residue; an assured source

Agritel AWB250 Waste Baler



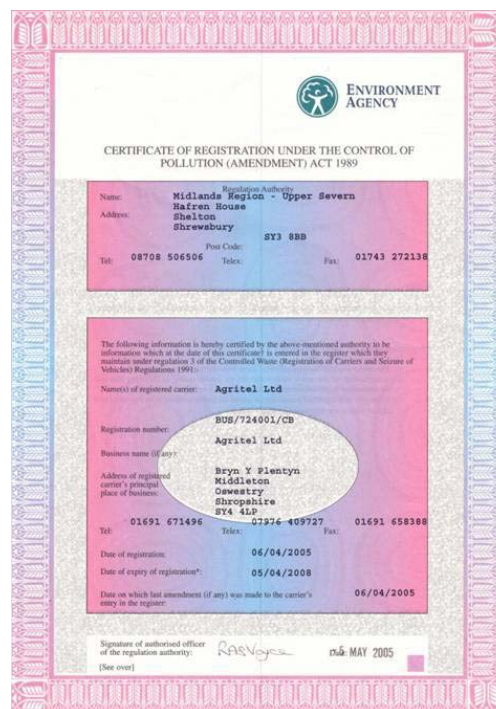
- Feed aperture:
1100mm x 660mm
- Weight: 950kg
- Single phase

Advantages of Agritel balers

- Robust build
- Simple to operate
- All electro/hydraulic parts standard off-the-shelf
- Offer exceptional value for money
- Transportable
- Can be sited outside

Agritel is a certified broker and carrier of waste

- Can provide registration for exemption certificates for baling activity (Paragraph 7 Schedule 3)
- Will provide waste transfer notes
- Ensures that your farm fully satisfies its environmental compliance



Summary and Recommendations

Manage plastic

- Place in containment area; no stones; no metal; no fertilizer residues
- Separate plastic grades

Bale

- Minimum 250kg per bale

Co-operate

- Maximise payloads (5 tonnes minimum)
- Minimise the number of collection points
- Minimise costs

Recycle wherever possible for a sustainable future

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