

**Let's Create...**

**A better world.**

Agricultural waste is a significant byproduct of the agricultural industry, and its quantity can vary considerably based on the type of agriculture, farming practices, and region. Here are some examples of types of agricultural waste and their estimated contributions:

## **1. Crop Residues:**

1. Examples: Straw, stalks, leaves, husks, shells.
2. Percentage: Crop residues account for about 40-50% of the total annual agricultural waste globally.

## **2. Animal Waste:**

1. Examples: Manure, urine, bedding material.
2. Percentage: Animal waste makes up approximately 30-40% of total agricultural waste.

## **3. Agro-industrial Waste:**

1. Examples: Fruit peels, seeds, pulp, molasses, bagasse (sugar cane industry).
2. Percentage: Agro-industrial waste constitutes around 10-15% of the overall agriculture waste.

## **4. Animal Waste:**

1. Examples: Spoiled crops, off-cuts from vegetables, fruit skins.
2. Percentage: This category can make up about 5-10% of agricultural waste.

## **5 Agro-industrial Waste:**

1. Examples: Fruit peels, seeds, pulp, molasses, bagasse (sugar cane industry).
2. Percentage: Agro-industrial waste constitutes around 10-15% of the overall agricultural waste.

## **6 Food Processing Waste:**

1. Examples: Spoiled crops, off-cuts from vegetables, fruit skins.
2. Percentage: This category can make up about 5-10% of agricultural waste.

- **Examples with Specific Data:**

## **1. Rice Production:**

- 1. Rice Straw:** Globally, rice production generates around 731 million tonnes of rice straw annually.
- 2. Percentage of Waste:** Rice straw alone can constitute about 20% of the global crop residues waste.

## **2. Sugarcane Industry:**

- 1. Bagasse:** The sugarcane industry produces approximately 279 million tonnes of bagasse annually.
- 2. Percentage of Waste:** Bagasse can contribute to about 10% of agro-industrial waste.

### **3. Cotton Production:**

- 1. Cotton Stalks:** Cotton farming generates significant residues, with estimates around 50 million tonnes per year.
- 2. Percentage of Waste:** Cotton stalks form about 5% of crop residues waste.

### **4. Dairy Farming:**

- 1. Manure:** Dairy cows produce around 1.2 billion tonnes of manure annually.
- 2. Percentage of Waste:** This manure contributes significantly to the animal waste category.

**Effective management of agricultural waste is crucial for sustainability. Practices such as composting, biogas production, and converting waste into animal feed or organic fertilizers are essential strategies to reduce environmental impact and enhance resource utilization.**



Thank you,  
Sincerely,

Razvan Ion.