# GREEN vs BLACK

# COMPOST

Compost is organic material that can be added to soil to fuel plant growth and restores vitality to depleted soil. It's also free, easy to make. Food scraps and yard waste make up 20 to 30 percent of what we throw away currently, and should be composted instead.

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A landfill is a engineered and managed structure which acts as a final disposal option for waste. Most landfills are quickly filling up.

While many have already closed down. One-third of landfill waste is made up of compostable materials. Composting will solve this problem.

## Greenhouse Gasses From 1990 to 2013

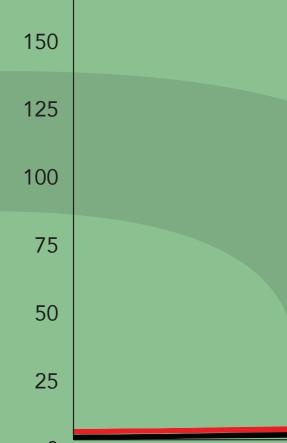
•	•	· · · ·	
mil	lion	metric	tons

Emissions Created from Composting



175

200



The California Air Resources Board's 2008 emissions inventory estimates indicate that emissions from composting were approximately less than 1 percent of the total ROG (reactive organic gases) emissions in California.

### $\sqrt{99}, \sqrt{99}, \sqrt{20}, \sqrt{20},$

### Diversion Rate (by city)



Diversion rate is how much waste is diverted from the landfill. San Francisco has the highest diversion rate at 80%.

Increasing diversion achieves three key sustainability goals: conserves valuable resources, reduces environmental impacts, and creates green jobs.

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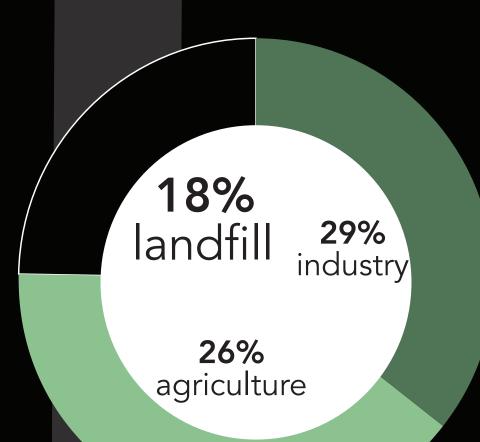
### Methane Emmisions

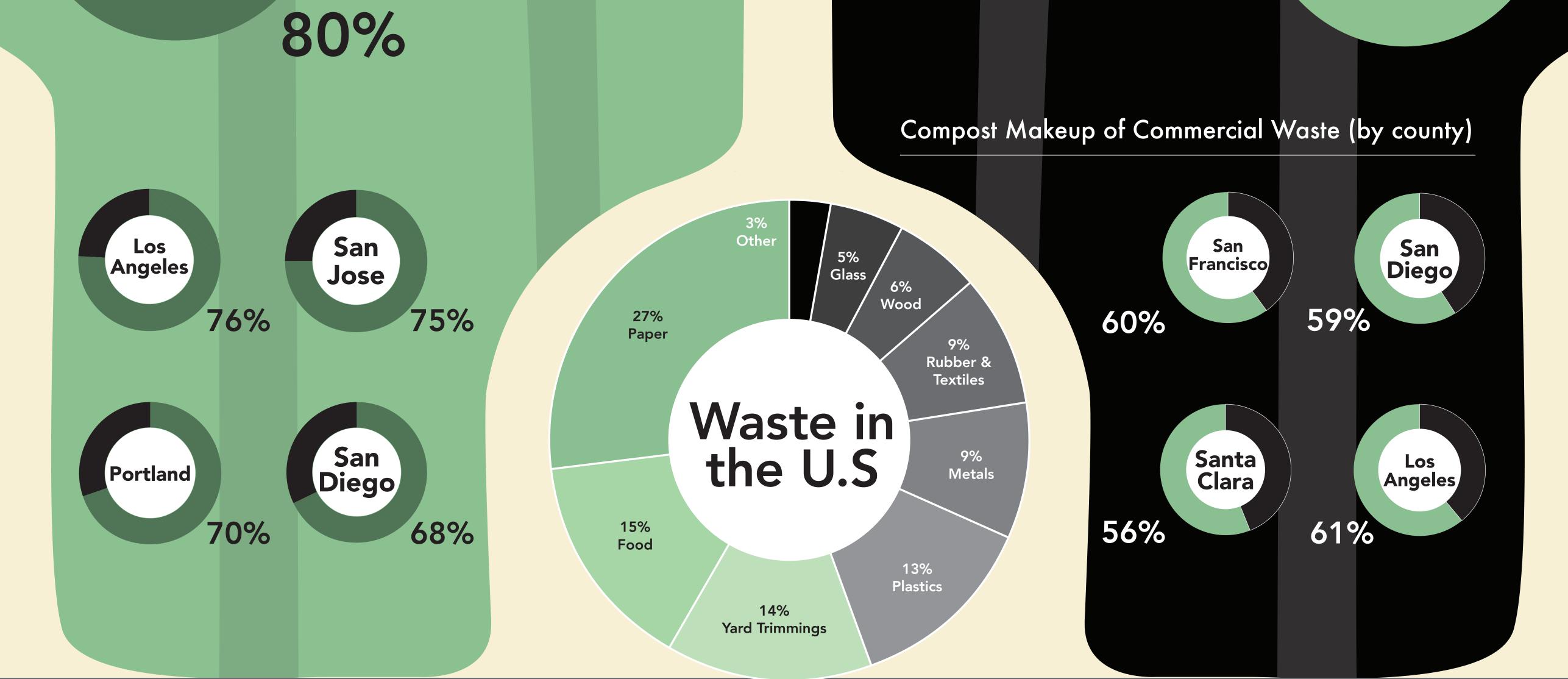
150

100

50

Landfills in the United States make up 18% of the country's methane emmisions. Coming in third of the sectors that create the most methane emmisions, coming before agriculture and industry. Methane is initially far more devastating to the climate because of how effectively it absorbs heat.





# WHICH BIN WILL YOU CHOOSE?

#### Sources: edf.org | 3.epa.gov | calrecycle.ca.gov | endfoodwastenow.org

#### Elena Cornejo | DAI 523 Information Design | San Francisco State University Fall 2015