

System	Plus	Minus
One Turn system	Kills weed seed so excellent nutrient cycling, relatively quick process, only needs turning once, recycles all weeds, kills pathogens	C:N ratio must be monitored and communicated, larger material must be shredded, people may put wrong material in it
Johnson Su Bioreactors	Uses free, local resource, makes very high quality compost, once built, requires no maintenance	Needs irrigation system, reliant on partnerships for supply of materials (tree surgeon, council workers), making them is fairly labour intensive
Cold composting	No maintenance, simple	Cannot compost pernicious weeds or seeds, people may put wrong material in it resulting in weed seed in final product, doesn't kill pathogens, slow process, takes up a lot of space for a long time
Leafmould bays	Makes excellent potting/seed compost (low fertility), simple structure, no maintenance, excellent product, uses free, local resource	Slow process, takes up space for a long time
Ramial wood chip	Makes excellent use of on-site material otherwise not being used, straightforward process	If worked into soil can cause nitrogen lock-up, chipper required, which would have to be bought/hired, so incur a cost. Staff must be properly trained and insured to use chipper, health and safety risks, use of fossil fuels
Green manures	Nitrogen fixing, deep roots break up soil, organic matter added to soil from roots, can generate organic matter for composting, supresses weeds, reduces nutrient loss from soil	Can go to seed and become a weed, needs to be considered in crop plans so makes this task more complex, can delay planting of crops, can provide slug habitat
Wormery	High quality end products – growing media and liquid fertiliser, can take small amount of cooked food	Relatively high maintenance, if it goes wrong worms die or vacate, only makes small amount of product
Anaerobic digester	Can process food waste	Requires skills and knowledge that no staff members have, uses fossil fuels, quality of end product is questionable
Comfrey/nettle fertiliser	Uses plant material that is easy to grow, excellent feed for plants, simple to make, low maintenance	End product stinks,