

RISK ASSESSMENT: AMENDMENTS YOU USE OR PLAN TO USE						
Type of Soil Amendment	BSAAO Or not	Treated or Untreated	Low or High Risk	Crops	Application: Time of year, days to harvest, soil or plant	
Raw Chicken Manure						
Finished Compost						
Cafeteria Table Scraps						
City Leaves						
Fish Emulsion						



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- Zero day application interval for animal compost treated by a scientifically validated process

- Apply in a manner that <u>minimizes</u> the potential for contact with produce during and after application.





Treatment: Composting

Must use a scientifically valid process: Must have documentation on treatment, handling, and

storage prior to application, updated annually

- Aerated static composting: aerobic, minimum 131°F (55°C) for 3 days, followed by curing with proper management to ensure elevated temperatures throughout all materials
- Turned composting: aerobic, minimum of 131°F (55°C) for 15 days, minimum 5 turnings, followed by curing
- 3. Other scientifically valid, controlled composting processes

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Produce Rule

Records that need to be kept for treated BSAs

Documentation that process controls (for example, time, temperature, and turnings) were achieved.
It is handled, conveyed and stored in a manner and location to minimize the risk of contamination

Bought It? Ask supplier for Certificate Of Conformance



Untreated BSA of Animal Origin

Considered high risk since it has not been treated to reduce or eliminate pathogens

YES! IT'S UNTREATED



- Raw manure
- 'Aged' or 'stacked' manure
- Untreated manure slurries
- Untreated manure teas
- Agricultural teas with supplemental microbial nutrients
- Any soil amendment mixed with raw manure

Untreated Application/Incorporation Interval

- Must be applied in a manner that <u>does not</u> <u>contact</u> covered produce during or after application."

PRODUCE RULE: There are currently no application intervals required for raw manure.

FDA is pursuing research to support application intervals for raw manure



GAP: Incorporated at least 2 weeks prior to planting and a minimum of 90/120 days prior to harvest.

NOP: 90/120 days prior to harvest

LEAFY GREENS AGREEMENT: at least one year.

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Low Risk When exposed to the environment they can be contaminated by wildlife. If this happens, they are no longer treated.





Pre-Consumer Vegetative Waste Not a BSAAO pre-consumer vegetative waste means solid waste that is purely vegetative in origin, not considered yard trash, and derived from commercial, institutional, or agricultural operations without coming in contact with animal products, byproducts or manure or with an end user (consumer). Pre-consumer vegetative waste does not include table waste, packaging that has come in contact with materials (such as meat) that are not vegetative in origin, or any waste generated by restaurants anoto source: Connie Fisk, Produce Safety A



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College Dining Hall Waste

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Untreated BSAAO

decomposition process.

vermicomposting.

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When using equipment, use it in a way that minimizes the potential for contamination of produce.

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FDA Produce Rule

Handling, Conveying And Storing A BSA

Must be done in a manner and location such that it does not become a potential source of contamination to:

- Produce
- Food contact surfaces
- Areas used for a covered activity
- Water sources
- Water distribution systems
- Other soil amendments

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Soil Amendment Log

Keep Records Of Soil Amendment Applications and Treatments

Biological Soil Amendments Of Animal Origin: Manure, Compost, Compost Tea, Fish Emulsion, Blood And Bane Meal, And Other							
Date of Application	What is Applied Supplier's Name	Treated & Method Or Untreated	Grewing Area ID	Application Plan - Crop - Contact with crop	Earliest Allowable Harvest Date	Applicator' Name	
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