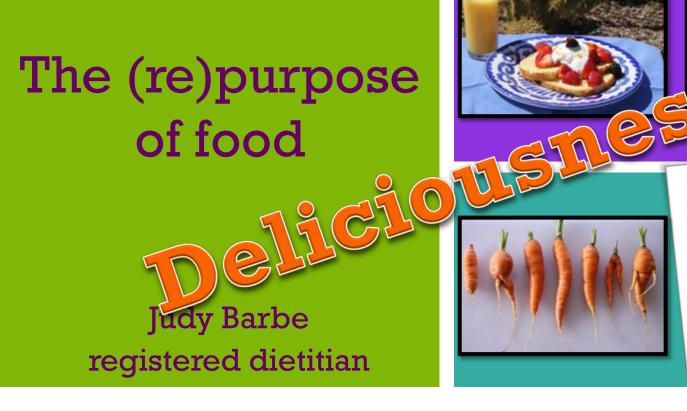
The (Re)Purpose of Food: Reducing Wasted Food at Home

Brought to you by: Produce for Better Health Foundation in Partnership with Monsanto Vegetable Seeds

#FoodWasteMatters



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The (Re)Purpose of Foo

www.LiveBest.info







Talkin' TRASH

http://www.ers.usda.gov/media/1282296/eib121.pdf



■7-minute life of a fry

- Ready-to-eat variety/quantity
- Imperfect vegetables
- Missed harvest
- Transportation glitch
- Food buffets/catered events



School lunch

"" "I ordered scrambled"

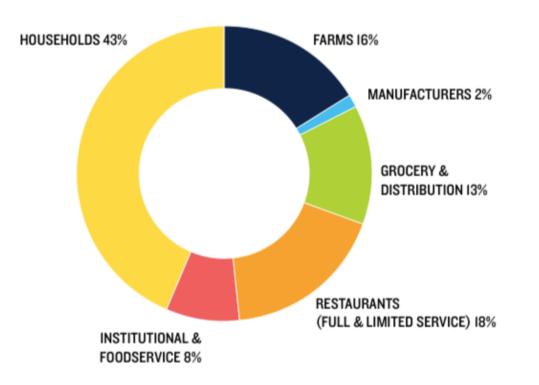
Excessive portions

Uneaten leftovers





FIGURE I: BREAKDOWN OF FOOD WASTE GENERATION BY SUPPLY CHAIN STAGE, AS ESTIMATED BY REFED FOR 2015⁴³



Note that by-products used for animal feed are not included.

https://www.nrdc.org/sites/default/files/wasted-2017-report.pdf



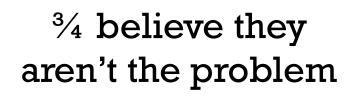
Motivation?

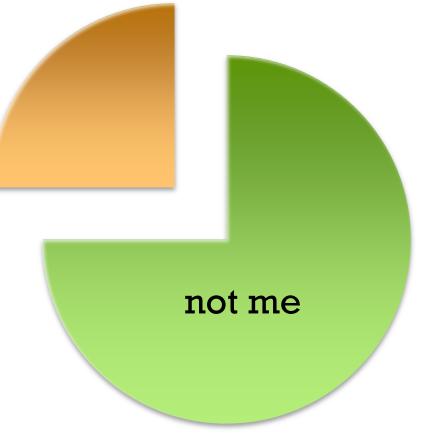
TO REDUCE WASTE

- 1. Save money
- 2. Set example for children
- Last... Environmental concerns

TO TOSS

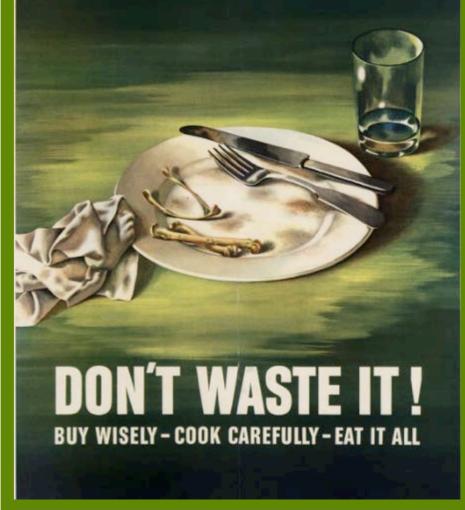
- 1. Food safety concerns
- 2. Want to eat fresh food





Wasted Food: U.S. Consumers' Reported Awareness, Attitudes, and Behaviors Johns Hopkins University Survey, 2015, Plos One

FOOD IS A WEAPON

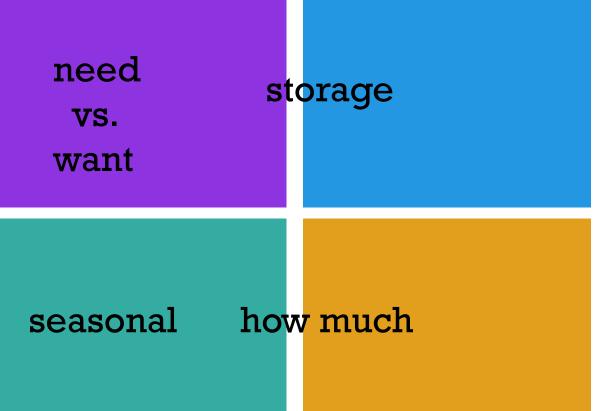


United States Office of War Information

www.LiveBest.infbttp://history.ncsu.edu/projects/ncsuhistory/nceats/items/show/3







www.LiveBest.info



Buy wisely













*Grocery list *Calendar Chaos *BOGO *Club store portions



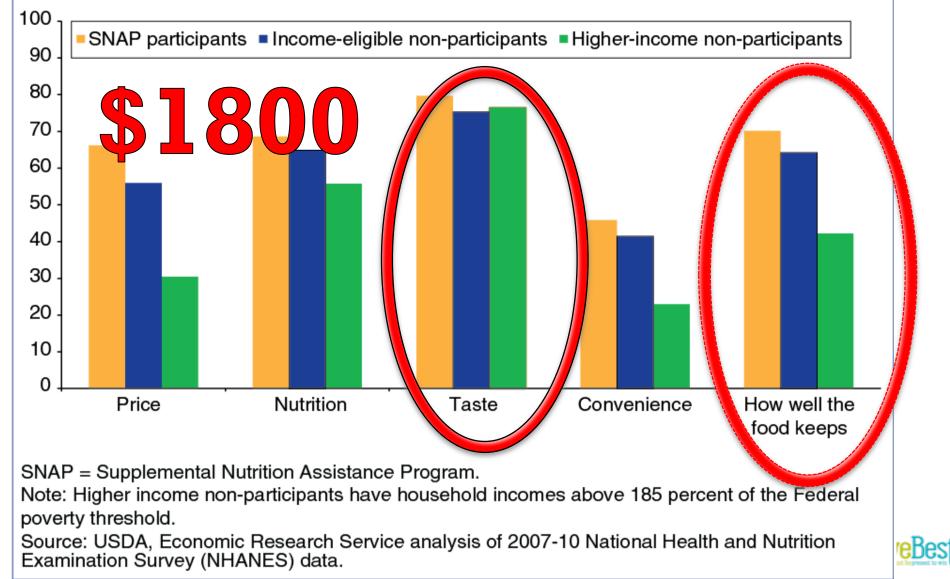


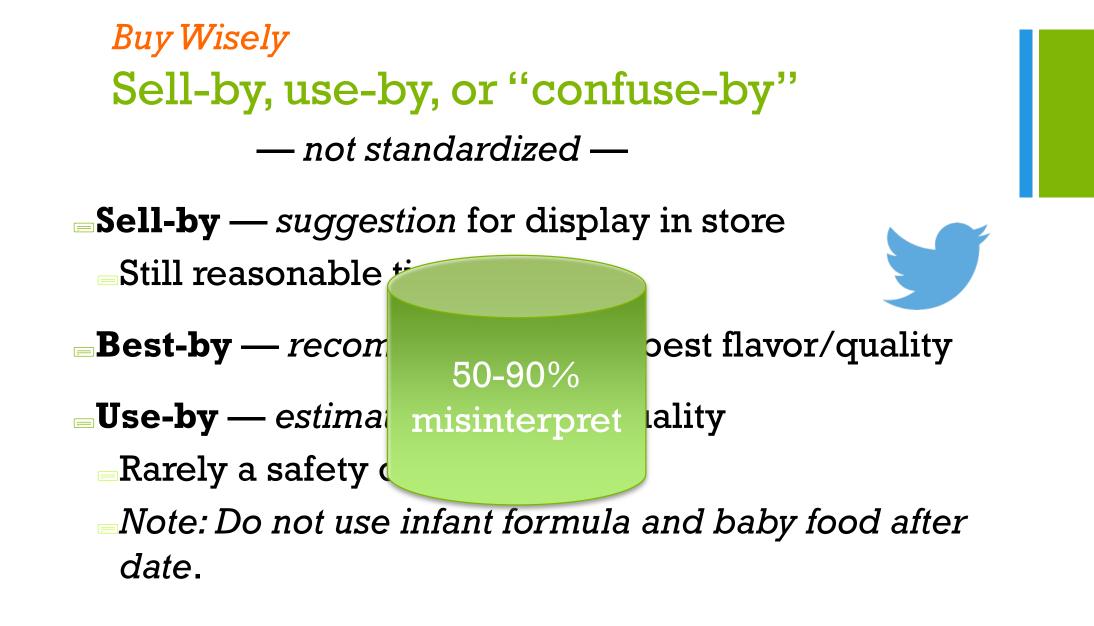




Food attributes as ranked by NHANES respondents, 2007-10

Share of respondents who believe _____ to be very important when buying food from a grocery store.





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Congress H.R.5298 - Food Date Labeling Act of 2016

- Food Marketing Institute and Grocery Manufacturers Association: Voluntary initiative, summer 2018.
 - "BEST If Used By" describes product quality. Food may not taste or perform as expected but is safe to use or consume.
 - "USE By" foods that are highly perishable and/or have a food safety concern over time; these products should be consumed by the date listed on the package.





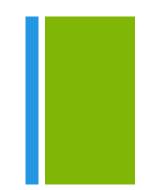
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Warmest part of refrigerator: DOOR

- Milk: Store where it's coldest: back bottom shelf
- **Eggs:** Original carton, center of the fridge
- **Packaged raw meat:** Store on tray, bottom shelf
- Produce: Higher humidity for greens, cucumbers, broccoli and lower humidity for apples, pears, stone fruit
 - **Think frozen, canned, dried**





Store Wisely

÷

Room temperature:

banana, pineapple, ginger, winter squash, eggplant, basil

Cool, dark pantry:

potato, sweet potato, garlic, onion

Refrigerate: lemons, strawberries, cut watermelon

Ripen at room temp then refrigerate:

avocado, kiwifruit, melon, peach, pear, plum, mango





Storing Fresh Fruits and Vegetables for Best Flavor

Store in the refrigerator

FRUIT Apples (more than 7 days)	Berries Cherries Cut Fruit	VEGE TABLES Artichokes	Belgian Endive Broccoli Brussel Sprouts	Caulif ower Celery Cut Vegetables	Leafy Vegetables Leeks Lettuce	Radishes Spinach Sprouts
Apricots Asian pears	Figs Grapes	Asparagus Green Beans Beets	Cabbage Carrots	Green Onions Herbs (not basil)	Mushrooms Peas	Summer Squashes Sweet Corn

1. Place fruits and vegetables in separate, perforated plastic bags. 2. Use within 1-3 days for maximum flavor and freshness

3. Store each group in different produce drawers in the reirigerator to minimize the detrimental effects of ethylene produced by the fruits on the vegetables.

Ripen on the counter first, then refrigerate

Avocados Kiwi Nectarines Plums Plumcots Peaches Pears

1. To prevent moisture loss, store fruits and vegetables separately in a paper bag, perforated plastic bag, or ripening bowl on the counter away from sunlight. Ripening fruit in a bowl or paper

2. After ripening, store in refrigerator and use within 1-3 days.

bag can be enhanced by placing an apple with the fruit to be ripened.

Store only at room temperature

1. Many fruits and vegetables should only be stored at room temperatures. Rehigeration can cause cold damage or prevent them from ripening to good f avor and texture. For example, pink tomatoes ripen to a better taste and

red color if they are left at room temperature. In the refrigerator, they do

not turn red, and even red tomatoes kept in the refrigerator lose their favor.

2. Keep away from direct sunlight.

*Store gartic, unions, potatoes, and sweet potatoes in a well-ventilated area in the paritry. (Cocumbers, eggplant, and peppers can be refrigerated for 1-3 days)

if they are used soon after removing from the refrigerator.

Cleaning Your Produce

Always keep produce separate from raw meat, poultry, and seafood. Never use detergent or bleach to wash produce. Instead, rinse produce under running tap water immediately prior to use, including those with skins and rinds that are not eaten. Washing too far in advance removes some of nature's natural preservatives. However, head lettuce or leafy greens remain crisper when washed right away and then refrigerated. Packaged fruits and vegetables labeled "ready-to-eat," "washed," or "triple washed" need not be washed. Refrigerate all cut, peeled, or cooked fruits and vegetables within 2 hours.

For information on how to store other fruits and vegetables go to FruitsAndVeggiesMoreMatters.org

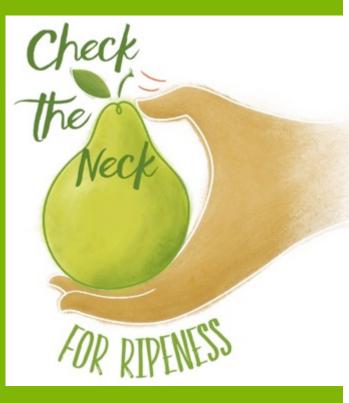
Source: UC Davis Postharvest Technology

© 2012 Produce for Better Health Foundation.





Keep



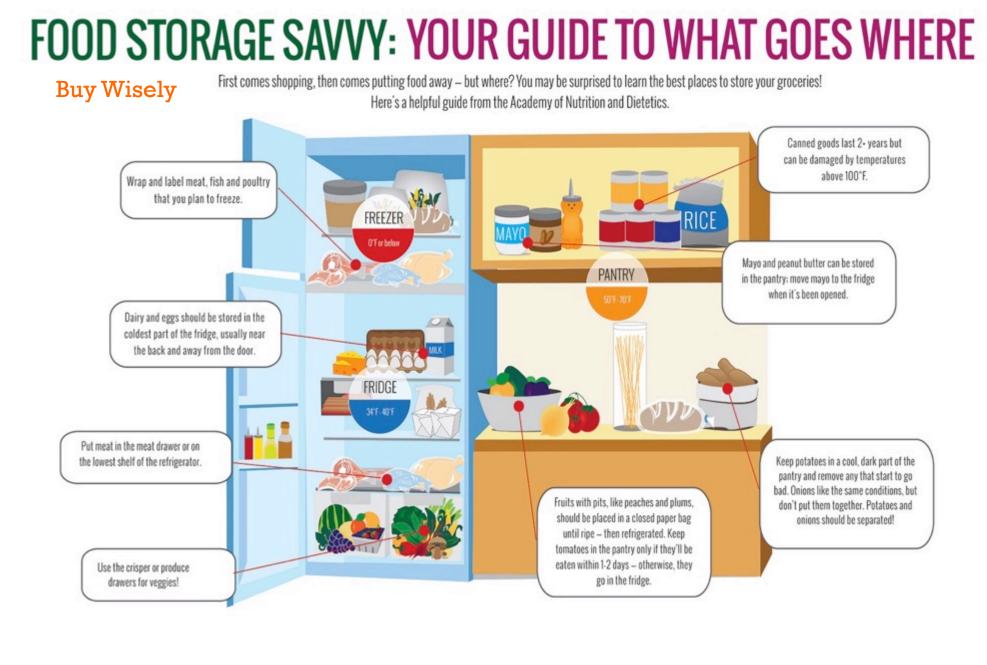
Freezing Tips CHERRIES

Rinse cherries well and pack in dated freezer bag or freezer proof container.
For fastest freezing, place bag/container directly on freezer shelves.
Serve cherries partially frozen for best flavor. Try dipping in chocolate.
Remove stems and pit, add to salads, sauces or toppings.

Information Per Serving

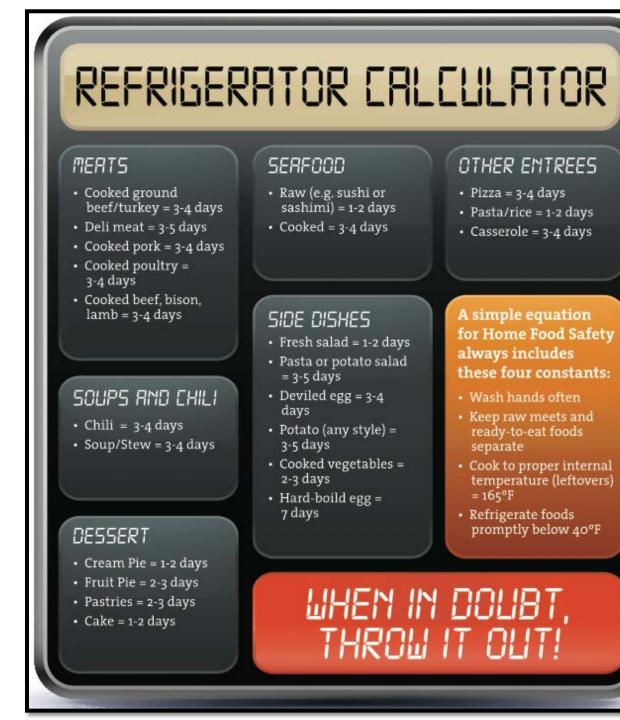
SERVING SIZE: 140 grams (about 5oz or 1 cup or 21 cherries) CALORIES: 90 kcal PROTEIN: 1g CARBOHYDRATE: 10g FAT: 0g SODIUM: 0mg FIPPO VITAMIN A:* VITAMIN: CALCIUM: 2 IRON:* * Contains less than 2 percent of the US RDA of this nutrient





right. Academy of Nutrition and Dietetics

EatRight.org



Avoid a cleaner, colder trash bin!

HomeFoodSafety.org

Academy of Nutrition and Dietetics and ConAgra Foods







serve just enough

cook just enough



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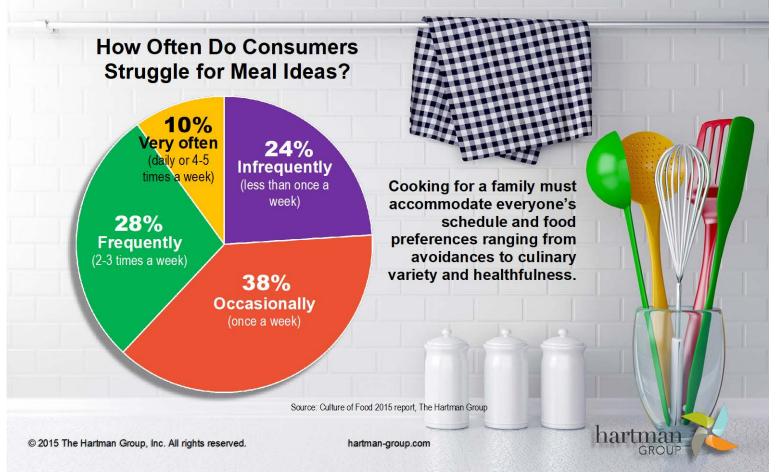
Cook Carefully

HARTBEAT ACUMEN infographics

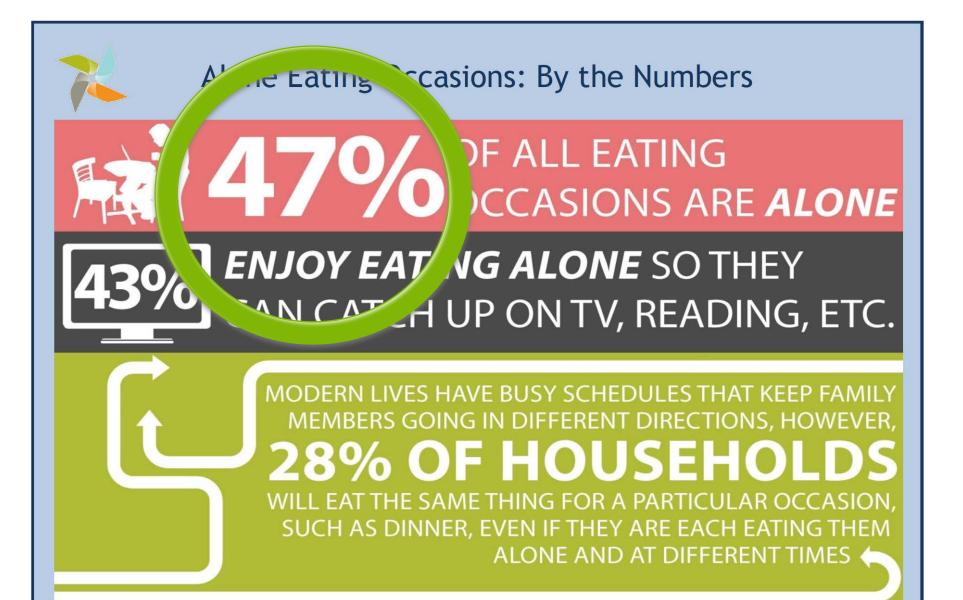


Kitchen Dilemma: What to Make?

Finding an answer to "what's for dinner?" can be a real challenge for many of America's households.







Source: Modern Eating report 2013

©2014 The Hartman Group, Inc.

hartman-group.com



Cook Carefully tools...

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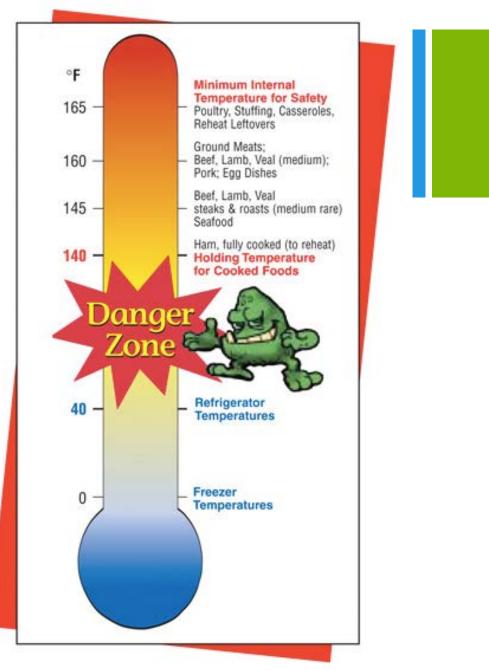


Cook Carefully

🖃 Time

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- Refrigerate within 2 hours.
- Reheat to 165°F, covered, rolling boil to heat throughout.
- **—** Temperature
 - Bacteria *double every*
 - 20 minutes under the right conditions.
 - A single bacterium can multiply to *trillions* in just 24 hours between 40°F and 140°F.







Insert at least 2-3 inches



muscle 145° ground 160°

frozen entrees 165°



Photo courtesy of Beef Council





-

""Is My Food Safe?" app, free ITunes

USDA Ask Karen, food safety hotline FoodSafety.gov Food Safety and Inspection Service

TeamFoodSafety.org, (FightBac) Partnership for Food Safety

Food recall alerts: STOP Foodborne Illness info@StopFoodBorneIllness.org

*USDA's FoodKeeper app, free Itunes







www.LiveBest.info



The Goldilocks' version Just right

@JudyBarbe

"We have a team of anthropologists in there now looking for the original meal."

+

Calvin Trillin





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vegetables

Hummus, pickle, mac and cheese, rice bowl

Roasted carrots & parsnips



Carrot, ginger, coconut soup

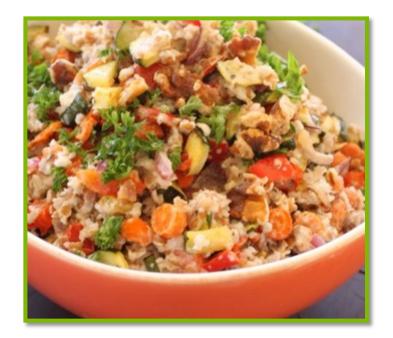


Eat it all Preheat oven and baking sheet to 400° Brussels sprouts, onions, sweet potatoes, peppers, squash, carrots, cauliflower, broccoli.

Toss with oil before cooking.

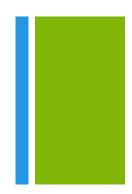


Butternut squash pear salad



Vegetable bulgur







Watermelon salsa

Plum salsa



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Eggs Omelet, bowl, fried rice

Mushroom, potato frittata





Asparagus and feta



@JudyBarbe



Eat it All

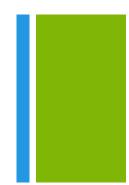
Beef, caramelized onion taco





Fig, caramelized onion pizza







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tired peppers



Tabbouli-stuffed peppers









Eat it All Leaf to root



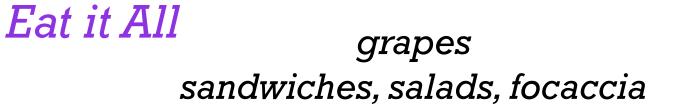
Quinoa beet salad



GREENS: pesto soup dip



@JudyBarbe





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ripe fruit



Layer on quesadillas with blue cheese

Bake or stew apples, berries, peaches
 fish, poultry, pancakes, yogurt, toast

Add to butternut squash soup

Simmer for pear ginger butter



Eat it All

+

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last-leg bananas sorbet, add to muffins, smoothie bags



Spiced banana oatmeal www.LiveBest.info



Eat it All system in place flavor enhancer, soup base, compost



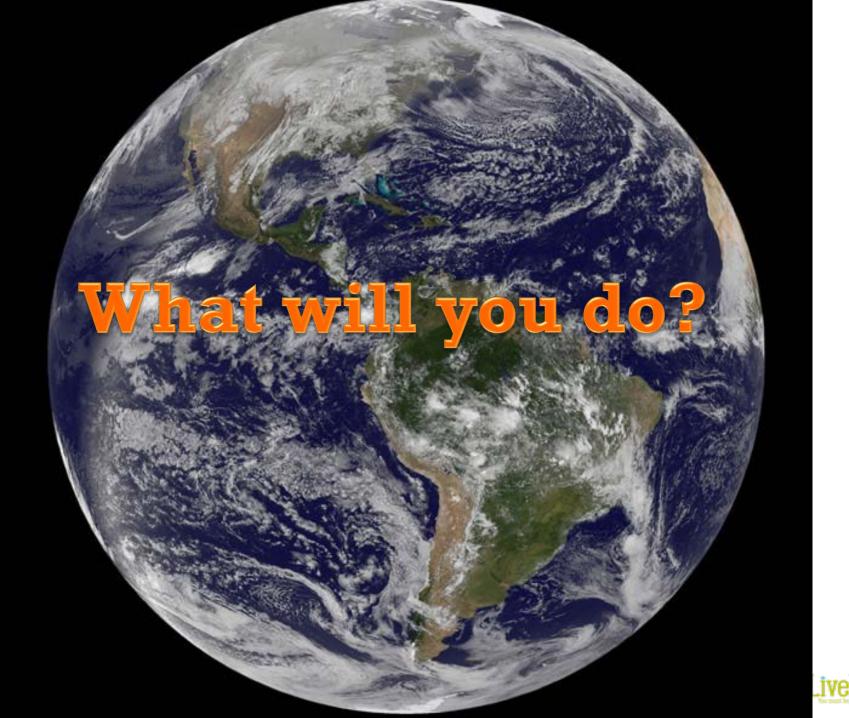


www.LiveBest.info

+

chipotle peppers









(re)purpose 3 +1

- 1. Make a grocery list.
 - 1. Shop your kitchen first.
 - 2. Ask: What do I have *not* what do I want to eat today?
- 2. Bring older food to front to avoid cabinet castaways.



*Donate to the local food bank.

EPA.gov too good to waste LiveBe

@JudyBarbe



Feed

Others

food pantries	sł	elters
schools	bac	k pack

www.LiveBest.info

Feed Others: preferred donations

- **Fruit:** canned, water-packed. Dried fruit, no-added sugar. Fruit/vegetable juice
- Wegetables: canned vegetables. Beans/legumes (both dry and canned). Canned pasta sauce, soup
- Protein: Peanut butter, nuts, seeds, canned chicken, tuna or salmon, beef stew, jerky, chili, ravioli
- Whole Grains: Breads, cereals, brown rice, pasta, flour, oats, barley, wild rice, pancake mix
- **Dairy**: milk, cheese, yogurt
 - Great American Milk Drive MilkLife.com/give



(re)purpose on stage





MILANO 2015

@JudyBarbe

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Solutions and Resources

*FAO.org

- *USDA.gov *FNS and CNPP
- *FoodWasteAlliance.org
- *FurtherWithFood.org
- *EPA.gov (food too good to waste)
- *ReFED.com
- *SaveTheFood.com

American Wasteland, Jonathan Bloom

- *Waste-Free Kitchen Handbook*, Dana Gunders
- Lipinski, B. et al, 2013.WorldResourcesReport.org
- NRFC.org
- Academy of Nutrition and Dietetics Foundation white paper, July 2016
- FruitsAndVeggiesMoreMatters.org





A wel × * * darry milk popur, plu cottage ch ficetrae ch dueree tra mozzan cheddar popurti builter protein epp ducken b gughs fait boar awned

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YOUR 6-WEEK GUIDE TO

Simple solutions for

fresh food & well-being

JUDY BARBE

The purpose of food is to nourish us while we enjoy its deliciousness. The (re)purpose of food is to use it responsibly by buying it wisely. cooking it carefully. (re)purpose of tood is to use it responsibly by buying it waxey, country is correction; and serving just enough. Simple strategies help you do it better — planning meak, smart shopping, understanding expiration dates and storing food properly. Maximize the life of your food with smart slorage.

The (Re)Purpose of Food

CONDISIENTS AND JAMS: The door is the warnest part of your infrigurator, it is best for staring long shall life items such as condimients. MILK. Store mik where it's coldest, in the back on the bottom shell. EGGS: Keep eggs in the original cartain in the center of the findge. DELI MEATS AND CHEESES: The relat drawer delivers an additional blast of cold air, which makes it the ideal place for deliments and cheeves. PACKAGED BAIR MEAT: To prevent depping, which can contaminate other foods, store packaged raw meat on a plate on the bottom shell FRODUCE: State fruits and vegetables in the cosper drawer. If dual controls, adjust to allow for higher humointy for vegetables and lower humidity for fruits. Packaging helps manenze deterioration but once the countdown begins. Sticed or chopped produce deteriorates

Kitchen Equipment. Tools and Such

What To Eat: Shopping List

N TEMP: Auscados, kawfruit, nectaenes peaches, pears, uld all be repended at soom temperature. To speed reperving, closed bag. Refrigerate once ripe MITEMP: Bananan, tomators, paneapple, ganger, and winter ic, unions, potatoes and sweet potatoes do best in a cook ut not together. Separate so potatoes don't pick up favors

ation of the dates on food labels leads to unnecessary food s on food products usually indicate how long the food can be it quality, but are not safety dates. he date after which the retailer should not sell that item. Manufacturers' estimation when an item will pass peak beshness this have a reasonable time to use it. one and texture may begin to fade, it's not a safety concern the last data recommended for use at peak quality. There is likely a pon in favor, appearance or texture after that date not use infant formula and baby food after the "use-by" date. OB CODED DATES: These are packing numbers used by the charer for identification and recall purposes.

The symptoms of food possening can range from stomach ache to disability and death. With moisture and a rich supply of nutrients, many loods offer perfect conditions for bacteria to grow. Keep hot foods hot and cold foods cold. Using a food thermometer is best and the only way to know the

food temperature. TIME AND TEMPERATURE Refrigerate all foods within two

hours after cooking - In the 40"-142"F danger poee. bacteria groe fast! Doubling every 20 minutes, a single bacterium can multiply to trillions in just 24 hours. COOKING AND BE HEATING

- Cook beet, pork, and lamb steaks, chops, and roasts to a manimum internal temperature of 145% · Cook ground meat (beef, pork, and lawki to an external temperature of 160%. · Cook checken and balkey to an internal temperature of 165% · When reheating leftovers, be sure they reach 165°F. Reheat sauces. soups, and graves by bringing them to a rolling boil. Cover leftowers to reheat. This retains moisture and ensures that food will heat all the way through.

webinar

free leader guide

equipment list

shopping list

Recipes www.LiveBest.info

Questions?



Register for our Upcoming Webinar!

California Prunes: Good for Tummies & Tibias, Too

Thursday, May 10, 2018 12pm EST

Featured Speakers:

Michelle Dudash, RDN Chef and Best-Selling Author of *Clean Eating for Busy Families*

> Dr. Shirin Hooshmand, MS, BS School of Exercise and Nutritional Sciences

> > **Brought to you by:** Produce for Better Health Foundation in Partnership with the California Dried Plum Board



