Healthful meals help maintain energy and focus during work. Busy seasons for farmers can often be unpredictable. Try planning your meals in advance to make things easier, save on time and give you one less thing to think about while you're in the field. This handout provides nutrition and food safety tips, meal-planning ideas and several recipes.

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## Nutpition Basics

Planning a nutritious meal can be challenging, especially during busy seasons when most meals aren't being eaten at the dinner Protein Protein
Animal sources: dairy, meat, poultry, fish and seafood Plant sources: beans, lentils, nuts, tofu and seeds. Fat
Animal sources: dairy, meat, poultry, fish and seafood Plant sources: nuts, seeds, avocados and plant-based oils such as canola, olive, avocado, etc. These oils are considered "heart healthy" because they contain unsaturated fats.
Fiber
Can be found in all plant foods. Vegetables, fruits, nuts, seeds, beans, lentils and whole-grain products provide fiber. full for full for longer in between meals,
Go easy on:
Sodium: Choose recipes without a lot of added salt. Check nutrition labels on canned and packaged products for sodium content and look for reduced or low sodium versions. Added sugar: Limit items that For example, instead of pop as a for example, instead of pop as a beverage, provide water or
with lemon, cucumbers or strawberries.


## FN2105 (August 2023)



A Pocket Cuide to


NDSU
EXTENSION


## When transporting food, the key is

to keep hot food hot and cold food
cold. Keep hot foods at or above 140 or below 40 degrees Fahrenheit

## Hot food

After food is thoroughly cooked, remove from
heat and pack into coolers or insulated containers
with clean, heavy towels. Hot foods can be held for two hours without a heat source, and then they must be either served immediately or discarded.

- Preheat a thermos by filling with boiling water, emptying and then adding the hot food.


## Cold food

Cold foods must be held at or below 40 degrees Fahrenheit. Once packed and ready, place cold foods into coolers or insulated containers with ice or ice packs. Cold food can be held for two hours at room temperature.

- Large ice packs will stay cold longer than small ice packs.
- If the outside temperature is above 90 degrees Fahrenheit, perishable foods that are not held hot or cold are only safe for one hour.


## Reheating F00d

When reheating food, it must first have been prepared to the correct cooking temperature and held properly at or temperature must reach 165 degrees or greater.

## Add Variety for a Nutritious Meal



Include at least three different food groups at each meal (fruits, vegetables, grains, protein and dairy the week the foods you eat during the week.
fruits and vegetables.

Allergens/Food Sensitivities/Dietary Restrictions Check in advance to see if any of your crew has any dietary limitations, restrictions, food allergies or sensitivities. Reactions to allergens can vary from mild to severe and in some cases can be life threatening. Precautions may need to be taken during preparation, transport and service. NDSU Extension has several food allergen publications to help you navigate food allergies.

## Stay Hydrated

Drinking water is easy to forget, but staying hydrated will keep you healthy bottles or healthy beverage options alon with meals. Make sure to avoid overdoing it on coffee or caffeine and alternate with water. If plain water isn't appealing, you can add fruit, a splash of juice, or powdered/ liquid water flavorings.

## Sepving Styles

## Single serving:

- Pre-portion meals into to-go boxes.
- Individually package wraps, sandwiches, burritos, etc.
- Cook in individual mugs for easy handheld meals.

Use thermos containers for soups/chilis on the go.

- Use muftin tins or mini loaf pans for single-size servings.

Buffet service: Items are set on a buffet line. Everyone serves
themselves. If a table is not available, a tailgate can be
covered with clean towels/blankets as a substitute.
Family style: Meal items are placed in bowls or pans on a
table. Everyone serves themselves.
Caerer dishes food onto a plate or a serving line and server dishes food onto a plate or tray.

## Equipment

These equipment items can help get
meals ready fast.

- Roasters

Slow cooker
o Grill
Different serving utensils for each item
Appropriate eating utensils
Single-use disposable gloves
P Plates and/or bowls
o Food thermometers

- Power source (outlet, generator, light
pole, power inverter)
O Tables
Mugs or thermos containers
Mini loaf pans or muffin tins

Other items to consider: - Garbage bags/trash cans - Disinfectant wip Clean towels/ blankets/tablecloths
to set food items on to set food iten

- Pot holders - Coolers/insulated containers for transport
Extension cords if power supply is available

Here are several recipes to get you started. See the Now You're Cookin! series at NDSU Extension for meal planning and preparation tips and recipes. See Pinchin' Pennie\$ for ways to use what is already in your pantry to make soups, casseroles, stir-fry and much more. See Field to Fork (www.ag.ndsu.edu/food) for many healthful recipes and ways to incorporate more fruits and vegetables into your meals.

Side item suggestions: Cold pasta salad, broccoli and cauliflower broccoli and cauliflower or celery sticks, baked potato chips or corn hips, apples or pears.

## Rosemapy Pecan Chicken Salad

## Sandwiches

## Sandwich filling ingredients

pound boneless, skinless chicken breast, cooked, cooled and diced $1 / 4$ cups apples, chopped
$1 / 3$ cup pecans, chopped
Dressing ingredients
(5.3-ounce) container fat-free plain Greek yogurt

2 tablespoons mayonnaise
tablespoon red wine vinegar
1 teaspoon Dijon mustard
$1 / 2$ teaspoon honey
$1 / 2$ teaspoon onion powder
Salt and fresh ground black pepper (to taste)
Combine cooked chicken, apples, pecans and cranberries in a large mixing bowl. In a separate, small mixing bowl, stir together dressing ingredients. Season with salt and pepper. Pour dressing over chicken mixture and toss to coat evenly. Serve on whole grain bread with lettuce.
Makes 4 servings. Each serving has 310 calories, 15 grams (g) fat,
28 g protein, 18 g carbohydrate, 2 g fiber and 125 milligrams sodium.

## Pulled Popk Sandwiches



Side item suggestions Salad (coleslaw, potato salad, or cold pasta salad with vegetables), baked chips or s, green and red grapes.
small pork tenderloin ( 2 to 3 pounds) 1 packet dry onion soup mix $3 / 4$ cup water Wheat buns and assorted toppings
Cut thawed tenderloin into three or more chunks. Add all ingredients in the slow cooker. Turn slow cooker on high for six hours. Pull apart meat with a fork after four to five hours. This recipe is good on a wheat bun or tomato slices, zucchini slices or cucumber slices.
Makes 8 servings. Each serving (g) fat, 24 g protein, 2 g carbohydrate, 0 g fiber, and
210 milligrams sodium.

## Cpeate Youp Own Toptilla Wpaps

Turkey with cheddar jack cheese, hummus, tomatoes and spring mix lettuce

- Ham with Swiss cheese, mustard, tomatoes and spinach - Taco inspired - taco meat, pico de gallo, cheese, leafy greens, guacamole
- Pesto, artichokes, tomatoes and mozzarella chees - Strawberries, peanut butter and apples - Banana, peanut butter, jelly

1 low-sodium tortilla $\quad 1 / 4$ cup leafy greens
2 slices deli meat
1 slice cheese $\begin{array}{ll}2 \text { slices deli meat } & 1 \text { slice cheese } \\ 1 \text { tablespoon spread } \\ 1 / 4 & \text { cup vegetables, sliced }\end{array}$
Slice tortilla from center to one edge. Add each ingredient to a separate quadrant. Starting with the section to the right of the cut line, fold over onto the adjacent section. Repeat until all are folded. Wrap in plastic wrap then foil for an easy "grab and go" meal/snack Makes 1 serving. 1 serving has 220 calories, 10 grams (g) fat, 21 g protein,
20 g carbohydrate, 1 g fiber and 480 milligrams sodium.


## Beef and Bean Buppitos

$1 / 2$ pound ground beef
2 (15 to 16 oz.) cans kidney, pinto or red beans
1 tablespoon chili powder or 1 package taco seasoning 8 large flour tortillas
Salsa of choice
Chop onion. Brown ground beef and onion in a frying pan. Drain fat Mix in kidney beans and chili powder Put a spoonful of meat mixture in the center of the tortilla. Fold opposite edges of the tortilla over the meat. Then fold both ends to the center to form a pocket. Set burrito in baking dish. Heat burritos in a covered dish for 10 to 15 minutes at 350 F . Serve with salsa. Wrap in plastic wrap then foil for an easy grab and go meal/snack.
Makes 8 servings. Each serving has 400 calories, $8 \mathrm{grams}(\mathrm{g})$ fat, 21 g protein,
61 g carbohydrate, 7 g fiber and 790 milligrams sodium.



## One-pan Chicken Fajitas

$1 / 2$ pounds chicken breasts cut into $1 / 2$-inch strips red bell peppers, sliced into strips green bell pepper, sliced into strip
1 onion, sliced
3 tablespoons
3 tablespoons olive or canola oil
packet taco seasoning, reduced sodium
1 lime
Optional toppings: shredded cheese, salsa, sour cream, avocado slices
Preheat oven to 425 F. Sprinkle taco seasoning and drizzle olive oil into bowl with chicken, bell peppers and onion. Toss to coat. Spread contents on greased sheet pan; bake 20 to 25 minutes or until chicken is fully cooked. Squeeze lime juice over pan and serve with whole-wheat tortillas. Wrap in plastic wrap then foil for an easy grab and go meal/snack.
Makes 10 servings (one fajita per serving). Without added toppings, each fajita
has 280 calories, 9 grams (g) fat, 20 g protein, 27 g carbohydrate, 3 g fiber and
380 milligrams sodium.


## Cpanberpy Gpanola Baps

## $1 / 2$ cup honey

2 tablespoons +2 teaspoons brown sugar, packed
1 tablespoon +1 teaspoon vegetable oil (soybean oil)
$11 / 2$ cups oatmeal oats, quick (uncooked)
$11 / 4$ cups toasted rice cereal
$1 / 4$ cups dried cranberries
Preheat oven to 350 F. Combine honey, brown sugar and oil in a small saucepan. Heat over low heat until well mixed. Mix oats, rice cereal and cranberries. Add honey mixture and stir until thoroughly combined. Pat firmly into an 8 -by- 8 -inch baking pan. Bake for 15 minutes; press firmly into the bottom of the pan once more. Bak hour for easier cutting. For easy serving wrap each piece in plastic hour for easier cutting. For easy serving, wrap each piece in plastic wrap.
Makes 16 servings. Each serving has 120 calories, 2 grams (g) fat, 1 g protein, 25 g carbohydrate, 1 g fiber and 15 milligrams sodium.


Side item suggestions (snack): Hard-cooked egg, range slices.

## Better Than Basic Muffins

Muffin ideas:

- Fruit - apples, blueberries, blackberries, peaches, pears, raspberries, strawberries
Dried Fruit - blueberries, cranberries, coconut, cherries,
strawberries
Nuts - sliced almonds, macadamia nuts, pecans, pistachios, walnuts
Sweets - chocolate chips, butterscotch chips, white chocolate chips, cinnamon chips
extracts - almond, lemon, lime or vanilla

2 cups all-purpose flour
cup whole wheat flour
1 cup sugar
1 tablespoon baking powder
$1 / 2$ teaspoon salt
cup ( 1 stick) unsalted butter,
softened (not melted)

2 eggs
2 teaspoons flavor extract (or as Up to 2 cups of mix-ins (fruit, nuts, vegetables, baking chips)

Preheat oven to 400 F . In a large bowl, whisk together the flour, sugar, baking powder and salt. Cut in the butter with a fork or pastry cutter. Stir in the eggs, milk and flavor extract until all ingredients are incorporated. Stir in desired mix-ins, but do not over mix. Evenly divide the batter between the prepared muffin ups. Bake for 15 to 20 mine he center comes out clean.
Makes 24 servings. Each muffin has 130 calories, 4.5 grams (g) fat,


Side item suggestions Side item suggestions fruit.

## Enepgy Bites

cup oats
$1 / 2$ cup nut butter
$1 / 4$ cup honey or maple syrup $1 / 4$ cup dried fruit $1 / 4$ cup nuts
2 tablespoons flaxseed
2 tablespoons chocolate chips
Combine all ingredients in a bow and stir to combine. Chill for 30 minutes to firm up. Roll int tablespoon-size bites. For easy serving, place portions in sma plastic snack bags.
Makes 24 Servings. Each serving has
75 calories, 3.5 grams (g) fat, 2 g protein 5 calories, 3.5 grams $(\mathrm{g})$ fat, 2

