

SECTION 19 – FOOD and NUTRITION; and FOOD PRESERVATION

Project Records are required for Youth Building entries.

A General Project Record or Cloverbud Project Record, plus an Exhibit Tag, must accompany each exhibit entered in the Youth Building. Copies of the General Project Record, Cloverbud Project Record, and Exhibit Tag can be obtained by contacting Cornell Cooperative Extension or by picking up copies at the Hamden office.

GENERAL GUIDELINES

The exhibitor must have baked all baked entries from scratch. No pre-made, refrigerated or frozen dough, pastry crust or box mixes are permitted.

Our goal is to encourage the mastery of skills. Fewer ingredients generally means a simpler recipe. The more experienced 4-H member is encouraged to exhibit a more difficult recipe. Exhibitors are encouraged not to exhibit in the same class year after year. This is to demonstrate mastering new skills.

Demonstrate good nutritional choices in your recipe selection. The recipe may not include alcohol as an ingredient. (This does not include vanilla which is a standard ingredient in recipes.)

A recipe can be only entered in one class in the Food and Nutrition section.

No exhibits requiring refrigeration (cream or custard-based pies, cakes, cream cheese) are allowed for entry.

Do not bake muffins or cupcakes in paper liners.

If exhibits are prepared ahead and frozen be sure to completely defrost before judging. Indicate on recipe if frozen before judging.

PREPARING the ENTRY

An exhibit is: Three samples of small items (cookies, muffins, cupcakes, rolls, breadsticks, pretzels or similar products), one-half large item (loaf bread, cake, coffee cake, or similar products); or whole item if needed to convey appearance of product (pie, animal shaped breads, or similar products).

Remove all items from baking pans (except pies) and exhibit on paper plates or foil wrapped cardboard. Exhibit must be covered with plastic resealable baggies – no plastic wrap.

Complete an Exhibit Entry Card for each exhibit.

Complete a General or Cloverbud Project Record for each exhibit entered, indicating new skills mastered and nutritional choices made.

Include the recipe with all baked entries. This can be a recipe card or printed from the computer. The recipe must include the product name, amount of ingredients, preparation steps, yield, and the recipe source. Indicate how the recipe was modified to make it healthier, if applicable.

COOKIES

Drop or hand-shaped, pressed, pan-baked, rolled or refrigerated. No frosting or added decorations that are not part of the recipe.

CLASS NUMBERS

- 2700 **Drop** – Chocolate Chip, Applesauce, Oatmeal, etc.
- 2701 **Hand Shaped** – Peanut Butter, Snickerdoodles, Crinkles. Can be rolled in sugar if part of the recipe.
- 2702 **Bar** – Date, Pumpkin, Brownies, Layered Fruit, or Other Batter Cookies

MUFFINS, BISCUITS, and BREADS (no yeast)

CLASS NUMBERS

- 2705 **Muffins** – Plain, whole wheat, cornbread, bran, apple, or other. No toppings.
- 2706 **Biscuits or Scones** – Plain, whole grain, flavored, or other shaped (rolled and cut) biscuits or scones. No toppings.
- 2707 **Loaf Bread** (not yeast leavened) – Banana, blueberry, apple, pumpkin, or other bread baked in a loaf pan. No toppings.

YEAST BREADS

CLASS NUMBERS

- 2710 **Yeast Rolls** – Plain, whole grain, flavored, or other yeast rolls of any shape; does not include fancy rolls with fillings or frosting.
- 2711 **Yeast Bread** – Plain, whole grain, flavored, or other baked in a loaf pan.
- 2712 **Shaped Bread** – An exhibit is any small (such as pretzels or breadsticks), or large (such as animal shaped) hand shaped bread. Plain, whole grain, flavored, or other, does not include fancy yeasts breads with fillings or frosting.

CAKES

An exhibit will consist one-half of the following.

CLASS NUMBERS

- 2715 **Plain Cake (spice, chocolate, butter)** – Baked in a round or square 8 or 9-inch pan.
- 2716 **Form Type Cake (angel food, sponge, chiffon)** – Baked in a 9 or 10-inch tube pan.
- 2717 **Nutritious Cake** – Made with a vegetable or fruit, such as carrot, applesauce, sweet potato, etc. Baked in an 8 or 9 -inch round or square pan, or 9 or 10-inch tube pan.
- 2718 **Cake Decorating** – Frosted and decorated cake or special occasion disposable form or three cupcakes for a birthday, anniversary, graduation, etc. Decorations need to be made with decorator's frosting using decorator's tips. Candies, actual flowers and other decorations can only be added to enhance the frosting decorations, not used alone. Include on General or Cloverbud Project Record occasion the cake or cupcakes is to be used for.

PASTRY and PIES

CLASS NUMBERS

- 2720 **Pies (fruit pies – 2 crust pastry)** – Top crust can be latticed or decorative pastry, no crumb toppings. (Example: apple, blueberry, cherry, etc.) Please enter in disposable pie pans 6 inches or larger. No exhibits requiring refrigeration (cream or custard-based pies, cream cheese, etc.) are allowed.
- 2721 **Tarts or Turnovers** – Three items make an exhibit. (Example: peach tarts, apple turnovers, etc.) No exhibits requiring refrigeration are allowed.

OTHER BAKING CLASSICS

CLASS NUMBERS

- 2725 **Healthy Baked Product** – An exhibit is any baked product that is made with little sugar, fat or salt, altered using a sugar or fat substitute, gluten free or other dietary modifications. The recipe must clearly state ingredients and methods used. An explanation of why you made it healthy, made changes to the recipe or used gluten free or other specialty ingredients must be included. Cookies, loaf bread, cake, cupcake, coffee cake, muffins, pies or other baked item.
- See RECIPE COLLECTIONS below for more healthier choice options.**
- 2726 **Heritage Age and Cultural Foods** – An exhibit is a sample of any baked item associated with cultural customs or tradition of family or country populations. Entry must include: a recipe and a tradition associated with preparing, serving and eating of the food. Cookies, muffins, bread, cake, cupcakes, coffee cake, pie or other baked items. May have frosting or topping if recipe calls for it.
- 2727 **Food Technology Exhibit** – Exhibit to include a food product prepared using new technology or a non-traditional method. (Example: bread machine, cake baked in convection oven, baked item made in microwave, etc.). Include recipe and why you used this method.

HEALTHIER CHOICES

CLASS NUMBERS

- 2730 **Healthy Snack** – This may be an actual food exhibit, poster, photos or may include faux food. The idea is to prepare an example of a healthy snack that you might have yourself or may prepare for friends. Actual food exhibits must be able to be presented without the need of refrigeration. Examples of Healthy Snacks: veggie platter or fruit kabob. General or Cloverbud Project Record should include serving size and information about the nutritional value of the snack.
- 2731 **Packed Lunch** – Entry is to be presented in a lunch bag or box (always good to think about how this will be displayed. Display may include photos or pretend food, if actual items will not hold up. General or Cloverbud Project Record must include the following: dietary needs of individual that lunch is for (Example: a 3rd grader will require less food than a high school athlete); and facilities available for keeping lunch (Example: will this be used on a trail ride?).
- 2732 **Menu for a Day** – The menu should include complete listing of all meals and snacks that would be eaten over a one-day period. A description of individual or family for whom meals are intended must be included. Typed exhibit with photos is recommended, creativity is encouraged.

RECIPE COLLECTIONS

CLASS NUMBERS

- 2735 **Healthy Recipe Collection** – An exhibit is at least six recipes (displayed in a box, notebook, or file folder; can include photos or illustrations) that provide needed nutrients while limiting fat and total calories. For each recipe state: relationship of key ingredients to ChooseMyPlate.gov, nutritional benefit, source of recipe, how well it was liked, and any changes you would make in the recipe. All recipes must be collected and made during the current enrollment year.
- 2736 **Heritage Recipe Collection** – An exhibit is at least ten recipes (displayed in a box, notebook, or file folder; can include photos or illustrations) that depicts family or local history. For each recipe state: source of recipe, history related to recipe, traditions related to preparing, serving and eating the food. For four of the ten recipes, indicate how well it was liked after making it. The collection should represent one or more generations older than you and can be collected from family, friends or other community sources. All recipes must be collected and at least four of the ten prepared during the current enrollment period.

FOOD PRESERVATION

Any processed food, including dried foods and maple syrup will be evaluated based on appearance and process used. Because of food safety concerns, depending on the judge, the entry may or may not be tasted or opened.

CANNED FOODS

Criteria for Exhibiting Home Canned Foods

Remember: Use only United States Department of Agriculture (USDA) tested and approved recipes. The USDA has researched, tested and approved recipes for home canning. In order to obtain a safe, quality project use only up-to-date (1994 or later) USDA approved recipes. Approved recipe sources include:

- National Center for Home Food Preservation at <http://www.uga.edu/nchfp/>
- So Easy to Preserve*, University of Georgia
- Your local Cornell Cooperative Extension Office
- Ball Blue Book*

Canned exhibit consists of one clear glass standard Mason jar processed with a self-sealing, two-piece lid (metal lid and metal ring). Rings should have been removed after processing and cooling in order to clean and store the canned good. Rings should be put back on for transport to fair but removed by exhibitor before judging.

Top of jars must be labeled with the product and date processed. Do not put labels on the sides of the jars (this makes it difficult for the judges to view the product). Attach a separate card securely to the exhibit and include:

- Recipe
- Recipe Source (site *Ball Blue Book* or other USDA source – not family member)

The card should include the following information if not already included in the recipe:

- Contents
- Type of Pack (hot or raw)
- Type of Processing (boiling water bath or pressure canner)
- Processing Time
- Altitude Adjustment, if required
- Date of Processing

Headspace – Appropriate head space requirements must be followed. In general: Fruit Juices = ¼ inch; Vegetables = ½ inch; Jams and Jellies = 1/8 to ¼ inch; Pickles ½ inch; Tomatoes ½ inch; or according to USDA approved recipes.

- Jars must be free of cracks, chips, etc.
- Each exhibit must be vacuum sealed.

The following entries will be disqualified:

- Foods processed and packaged not following current (1994 and later) USDA recommendations.
- Paraffin sealed jams and jellies
- Jars with zinc lids
- Foods in green jars and non-standardized jars
- Jars with more than 2-inch headspace
- Jars with added color, bleach sulfite or other preservatives, unless called for in a USDA approved recipe (Example: baking soda may not be added to green vegetables).
- Jars of foods that were made and processed over one year ago.

CLASS NUMBERS

- 2740 **Canned Fruit**
- 2741 **Vegetable**
- 2742 **Tomatoes**
- 2743 **Juice**
- 2744 **Pickles, Relish**
- 2745 **Jam, Jelly, Marmalade**
- 2746 **Other**

DRIED and DEHYDRATED FOODS

Criteria for exhibiting home dried and dehydrated foods:

- Dried foods must be displayed in either clear one-half pint zip closure bags or glass jars with tight fitting lids.
- Foods in unapproved containers or more than one year old will be disqualified
- Top of jars or containers must be labeled with the product and date processed. Do not put labels on the sides of the jars (this makes it difficult for judges to view the product).
- Attach a separate card securely to the exhibit and include:
 - Method of Drying (dehydrator or oven)
 - Time and Temperature of Drying
 - Pre-treatment Method, if used

CLASS NUMBERS

- 2750 **Dried Vegetables**
- 2751 **Dried Fruit**
- 2752 **Leathers**
- 2753 **Herbs**
- 2754 **Maple Syrup** – An exhibit will consist of homemade maple syrup in a clear glass bottle appropriate for syrup products. Exhibitor entry statement card must include the process used to make the syrup and the resources of their information.

OTHER FOOD and NUTRITION CLASS

CLASS NUMBER

2760 **Pet Treats** – An exhibit will consist of three samples or one cup of baked treats for dogs, horses, etc. Will be evaluated on appearance, smell and texture. Please include on General or Cloverbud Project Record the reason for the treat such as for your pet, community service project, fund raiser, etc.

FOOD and NUTRITION CLASS; and FOOD PRESERVATION OPEN CLASS

CLASS NUMBER

2765 **Food and Nutrition; and Food Preservation Open Class** – Food and Nutrition and Food Preservation Open Class is an option for exhibits deemed by the county to be worthwhile but fall outside the categories described above. The decision to bring such exhibits is left to the discretion of the Extension 4-H Educator. A recipe and written description of the process used for creating the item must be included.