A Review of Recipes for Kansas Fairs and Exhibitions

Jaden Castinado, Undergraduate Student, Department of Animal Sciences and Industry
Linda Beech, Extension Agent, Emeritus, K-State Research and Extension
Karen Blakeslee, Extension Associate, Department of Animal Sciences and Industry
Nathan Williams, Undergraduate Student, Department of Animal Sciences and Industry
Fadi Aramouni, PhD, Professor, Department of Animal Sciences and Industry

Kansas State University

Food Science Institute

July 2020
DATA FOR THIS STUDY

TCS Foods: DO NOT LEAVE AT ROOM TEMPERATURE

Truffle Frosting (Better Homes & Gardens)
Ingredients: 1.5 cups whipping cream, 1/4 cup light-colored corn syrup, 12 oz semisweet chocolate pieces, 1 tsp vanilla.
*Cooked
pH: 5.4, Water Activity: 0.88

Chocolate Ganache (2)
Ingredients: 4 oz semi-sweet chocolate, 1/2 cup heavy whipping cream
*Cooked
pH: 5.5, Water Activity: 0.88

Ring of Coconut Fudge Cake Filling
Ingredients: 1/4 cup sugar, 1 tsp vanilla, 8 oz cream cheese (softened), 1 egg, 1/2 cup flaked coconut, 6 oz semi-sweet chocolate pieces.

pH: 5.1, Water Activity: 0.91

Filling for Lemon Cheese Filled Cake
Ingredients: 8 oz cream cheese (softened), 1/4 cup sugar, 1 tsp lemon juice, 2 tsp water, 1/2 cup coconut.

pH: 4.5, Water Activity: 0.93

Red Velvet Cake Frosting 1
Ingredients: 4 heaping tbsp flour, 1 cup milk, 1/2 cup butter, 1/2 cup shortening, 1 cup sugar, 1 tsp vanilla.
*Cooked
pH: 6.2, Water Activity: 0.92

Banana Bread w/ Banana Slices
Ingredients: Banana bread, slice of fresh banana on top.

pH: 5.0, Water Activity: 0.91

Red Velvet Cake Frosting 2
Ingredients: 1/2 cup plus 1 tbsp all-purpose flour, 1 1/8 tsp table salt, 2.25 cups whole milk, 2.25 cups salted butter (softened), 2.25 cups powdered sugar, 3 tsp vanilla extract.
*Cooked
pH: 6.2, Water Activity: 0.90
Swiss Meringue Buttercream Frosting

**Ingredients:** 200 g (about 6) fresh egg whites, 200 g (3/4 cup) white sugar, 500 g (2.25 cups) unsalted butter, 1 tsp vanilla.

*Cooked

**pH:** 6.1,  Water Activity: 0.92

Fudge Cream Cheese Cake (Cream Cheese Batter)

**Ingredients:** 8 oz cream cheese, 1/4 cup sugar, 2 tbsp butter, 1/2 tsp vanilla, 1 tbsp cornstarch, 1 egg, 2 tbsp milk.

**pH:** 5.3,  Water Activity: 0.93

Low-fat Cream Cheese Frosting for Carrot Cake

**Ingredients:** 8 oz nonfat cream cheese, 3 oz Neufchatel cheese, 1.5 cups powdered sugar, 1 tbsp orange zest.

**pH 5.2,  Water Activity: 0.91

Vanilla Whipped Buttercream Frosting

**Ingredients:** 1/2 cup all-purpose flour, 1.5 cups milk, 1 tbsp vanilla extract, 1.5 cups salted butter, 1.5 cups granulated sugar, pinch of salt

*Cooked

**pH:** 6.0,  Water Activity: 0.91

Non-TCS Foods: CAN BE LEFT AT ROOM TEMPERATURE

Peanut Butter Frosting

**Ingredients:** 16 tbsp unsalted butter, 1 cup creamy peanut butter, 3 tbsp heavy cream, 1 tsp vanilla extract, 2 cups powdered sugar.

**pH:** 5.56,  Water Activity: 0.78

Peanut Butter Cream Frosting

**Ingredients:** 3 cups powdered sugar, 1.5 tsp vanilla, 1/4 cup milk, 1/3 cup peanut butter.

**pH:** 6.14,  Water Activity: 0.84

EASY Creamy Peanut Butter Frosting

**Ingredients:** 1 cup butter (softened), 1.5 cups creamy peanut butter, 1/4 cup of milk, 4 cups powdered sugar, 2 tsp vanilla.

**pH:** 5.71,  Water Activity: 0.79

Basic Cake Decorating Frosting

**Ingredients:** 2 lbs powdered sugar, 1 cup shortening (at room temp), 1/2 cup milk, 1 tsp vanilla.

**pH:** 5.5,  Water Activity: 0.84
Simple Buttercream Frosting
Ingredients: 2 cups unsalted butter (softened), 8 cups powdered sugar, 1/2 tsp salt, 1/4 cup heavy cream, 2 tsp vanilla.
pH: 4.6, Water Activity: 0.83

Oatmeal Cream Pie Filling
Ingredients: 3/4 cup unsalted butter (softened), 2.5 cups powdered sugar, 1 tsp pure vanilla extract, 1 tbsp milk or half and half.
pH: 4.7, Water Activity: 0.84

White Snow Frosting
Ingredients: 2 tbsp milk, 1/4 cup shortening, 1/2 cup butter, 1/2 tsp coconut extract, 1/2 teaspoon clear vanilla, 2 cups powdered sugar, 1 egg white.
pH: 5.9, Water Activity: 0.79

Cream Cheese Frosting
Ingredients: 8 oz cream cheese, 1/2 cup butter (softened), 1 tsp vanilla, 3.5 cups powdered sugar.
pH: 4.5, Water Activity: 0.82

Cream Cheese Frosting (Betty Crocker)
Ingredients: 8 oz cream cheese, 1/4 cup butter (softened), 2-3 tsp milk, 1 tsp vanilla, 4 cups powdered sugar.
pH: 4.6, Water Activity: 0.83

Cream Cheese Frosting (Better Homes & Gardens)
Ingredients: 6 oz cream cheese, 1/2 cup butter (softened), 2 tsp vanilla, 2 cups powdered sugar.
pH: 4.4, Water Activity: 0.82

Cream Cheese Frosting
Ingredients: 12 oz cream cheese, 6 tbsp butter (softened), 4 cups powdered sugar, 1.5 tsp vanilla extract
pH: 4.6, Water Activity: 0.81

Gingerbread Cookie Cream Cheese Frosting
Ingredients: 8 oz full fat cream cheese (softened), 1/4 cup unsalted butter (salted), 1 tbsp vanilla extract, 2 cups powdered sugar, 2 tsp fresh lemon juice, 1 tsp lemon zest.
pH: 4.1, Water Activity: 0.84

Salted Caramel Cream Cheese Glaze
Ingredients: 1/2 cup butter (softened), 4 oz cream cheese, 1/2 tbsp vanilla, 1/4 cup caramel ice cream topping, 1/4 tsp salt, 4 cups powdered sugar.
pH: 4.6, Water Activity: 0.79

Salted Caramel Glaze (no cream cheese)
Ingredients: 1/2 cup butter (softened), 4 tsp heavy cream, 1/2 tbsp vanilla, 1/2 cup caramel ice cream topping, 1/4 tsp salt, 4 cups powdered sugar.
pH: 5.1, Water Activity: 0.73
The Best Strawberry Buttercream Frosting
Ingredients: 1 lb powdered sugar, 1 cup butter, 1/4 cup pureed strawberries
pH: 3.7, Water Activity: 0.81

No Cook Fudge Frosting (Better Homes & Gardens)
Ingredients: 4.75 cups powdered sugar, 1/2 cup unsweetened cocoa powder, 1/2 cup butter (softened), 1/3 cup boiling water, 1 tsp vanilla,
*Cooked
pH: 5.3, Water Activity: 0.83

Creamy Deluxe Chocolate Icing
Ingredients: 2 cups powdered sugar, 1/4 tsp salt, 1 large egg (beaten), 1/3 cup soft shortening, 2 oz melted unsweetened chocolate.
pH: 5.4, Water Activity: 0.82

Chocolate Sour Cream Frosting (Better Homes & Gardens)
Ingredients: 1 cup semisweet chocolate pieces, 1/4 cup butter, 1/2 cup sour cream, 2.5 cup powdered sugar.
*Cooked
pH: 4.8, Water Activity: 0.83

Fudge Frosting (Betty Crocker)
Ingredients: 2 cups granulated sugar, 1 cup baking cocoa, 1 cup milk, 1/2 cup butter, 1/4 cup light corn syrup, 1/4 tsp salt, 2.5-3.0 cups powdered sugar, 2 tsp vanilla.
pH: 5.3, Water Activity: 0.78

Chocolate Sheet Cake Icing
Ingredients: 1 stick margarine, 4 tbsp cocoa, 5 tbsp milk, 3.5 cups powdered sugar, ¼ tsp salt, 1 tsp vanilla.
*Cooked
pH: 5.3, Water Activity: 0.78

Swig Sugar Cookie Frosting
Ingredients: 1 stick salted butter, 1/3 cup sour cream, 1/4 tsp salt, 7-8 tbsp milk, 4 cups powdered sugar, 1/4 tsp vanilla, 1-2 drops red food coloring.
pH: 4.4, Water Activity: 0.83

Swig Sugar Cookie Frosting (no sour cream)
Ingredients: 1 stick salted butter, 1/4 tsp salt, 2-3 tbsp milk, 4 cups powdered sugar, 1/4 tsp vanilla, 1-2 drops red food coloring.
pH: 5.3, Water Activity: 0.82

Chocolate Ganache
Ingredients: 16 oz semi-sweet chocolate, 8 oz heavy whipping cream, 1/4 tsp salt.
*Cooked
pH: 5.2, Water Activity: 0.80
Dairy Free Chocolate Ganache
Ingredients: 1.5 cups chocolate chips (dairy free), 6 tbsp coconut cream, 1/4 tsp vanilla extract  
*Cooked
pH: 5.2, Water Activity: 0.78
Glaze for Pumpkin Cake
Ingredients: 1 cup powdered sugar, 1.5 oz cream cheese, 2 tbsp milk, 1 tsp vanilla.
pH: 5.1, Water Activity: 0.84
Coconut Pecan Frosting
Ingredients: 12 oz evaporated milk, 1.5 cups granulated sugar, 3/4 cup margarine, 4 egg yolks, 1.5 tsp vanilla, 7 oz coconut, 1.5 cups chopped pecans.
*Cooked
pH: 5.2, Water Activity: 0.79
Coconut Pecan Frosting (Better Homes & Gardens)
Ingredients: 1 egg, 2/3 cup evaporated milk, 2/3 cup sugar, 1.33 cups flaked coconut, 1/2 cup chopped pecans, 1/4 cup butter.
*Cooked
pH: 5.6, Water Activity: 0.81
Coconut Pecan Filling & Topping (Betty Crocker)
Ingredients: 1 cup sugar or packed brown sugar, 1/2 cup butter, 1 cup evaporated milk, 1 tsp vanilla, 3 large egg yolks, 1.33 cup flaked coconut, 1 cup chopped pecans.
*Cooked
pH: 5.1, Water Activity: 0.77
Creamy Nut Filling
Ingredients: 1/2 cup sugar, 2 tbsp flour, 1/2 cup light cream, 2 tbsp butter, 1/2 cup chopped pecans, 1/4 tsp salt, 1 tsp vanilla.
*Cooked
pH: 5.2, Water Activity: 0.78
Seven-Minute Frosting (Better Homes & Gardens)
Ingredients: 1.5 cups sugar, 1/3 cup cold water, 2 egg whites, 1/4 cream of tartar, 1 tsp vanilla.
*Cooked
pH: 5.1, Water Activity 0.83
Cream Cheese Bacon Frosting
Ingredients: 8 slices bacon (fried, crumbled), 1/2 cup unsalted butter (softened), 8 oz cream cheese, 3.5 cups powdered sugar, 2 tbsp water, 1 tsp vanilla.
pH: 5.2, Water Activity: 0.81
Easy Chocolate Glaze (Betty Crocker)
Ingredients: 1/2 cup semisweet chocolate chips, 2 tbsp butter or margarine, 2 tbsp corn syrup.
*Microwaved
pH: 4.3, Water Activity: 0.70
**Banana Frosting**

**Ingredients:** 1 large banana, ¼-1/2 tsp lemon juice, 1/4 cup butter (softened), 3.5 cups powdered sugar.

**pH:** 4.7,   **Water Activity:** 0.80

**Lemon Deluxe Bars (filling)**

**Ingredients:** 4 eggs, 2 cups sugar, 1/3 cup lemon juice, 1/4 cup orange juice concentrate, 1/2 cup flour, 1 tsp baking powder, 1/8 tsp salt.

*Cooked*

**pH:** 4.3,   **Water Activity:** 0.79

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**Non-TCS with Conditions**

**Basic Sugar Glaze**

**Ingredients:** 1.5 cups powdered sugar, 2 tbsp milk, 2 tsp vanilla.

**pH:** 5.9,   **Water Activity:** 0.85

**Basic Buttercream Frosting**

**Ingredients:** 2 cups unsalted butter (softened), 8 cups powdered sugar, 1/2 tsp salt, 2-4 tbsp heavy cream, 2 tsp vanilla.

**pH:** 4.3,   **Water Activity:** 0.86

**Lemon Curd (Betty Crocker)**

**Ingredients:** 1 cup sugar, 1 tbsp finely shredded lemon peel, 1 cup lemon juice, 3 tbsp cold butter, 3 large eggs (beaten).

*Cooked*

**pH:** 3.2,   **Water Activity:** 0.94

**Chocolate Brownie Cake Ganache**

**Ingredients:** 1 cup heavy whipping cream, 12 oz semi-sweet chocolate morsels.

*Microwaved*

**pH:** 5.2,   **Water Activity:** 0.85