NDSU Extension Community Education

Presented By:

- Julie Garden-Robinson, Ph.D., L.R.D.
 Food and Nutrition Specialist
- Stacy Halvorson, R.D.
 Extension Associate







Extension's Role

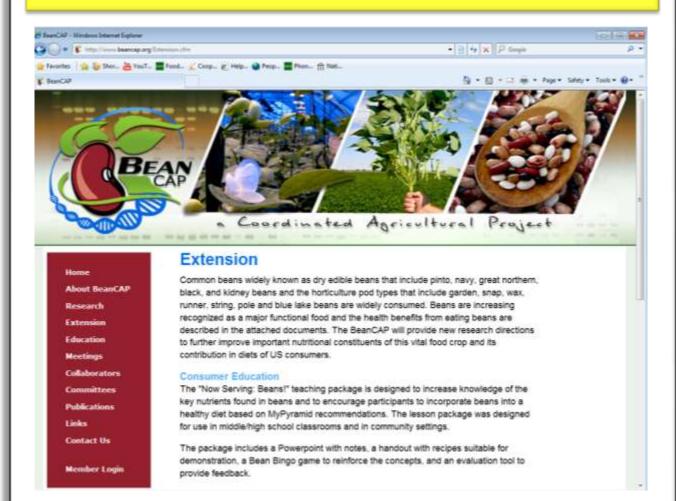
- Community outreach
- Education
- Individuals involved:
 - Julie Garden-Robinson, Ph.D., L.R.D.
 Food and Nutrition Specialist
 - Stacy Halvorson, R.D. Extension Associate
 - Kendra Otto (Child Development)
 - Emily Franzen (Dietetics)
 - Amy Hutchinson (Dietetics)
 - Kayla Colvin (Dietetics)







Extension's Role

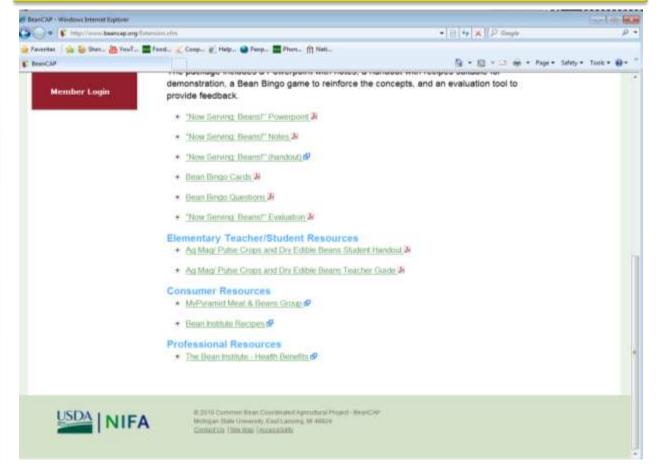


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Extension's Role



http://www.beancap.org/Extension.cfm

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Community Outreach

- Distribution of materials:
 - 90 Family and Consumer Science teachers
 - 60 Extension agents in Family and Consumer Sciences, Expanded Food and Nutrition Education Program and the Family Nutrition Program









Community Outreach



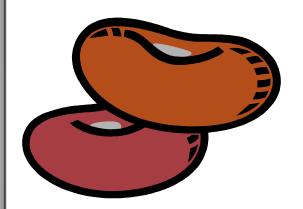
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Bean Lesson Plan

- Now Serving: Beans! PowerPoint
- Now Serving: Beans! Handout
- Bean Bingo Kit





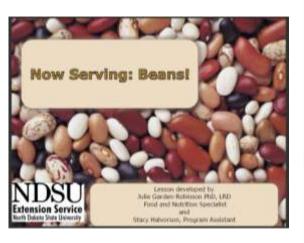


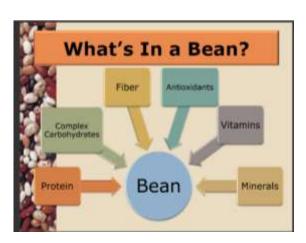


Educational PowerPoint

Now Serving: Beans!

- Quick Facts
- What's In a Bean
- Knowledge Question
- MyPyramid
 Recommendations
- A Healthy Choice
- Adding Beans to Your Diet
- Preparing Beans
- Cooking Tips

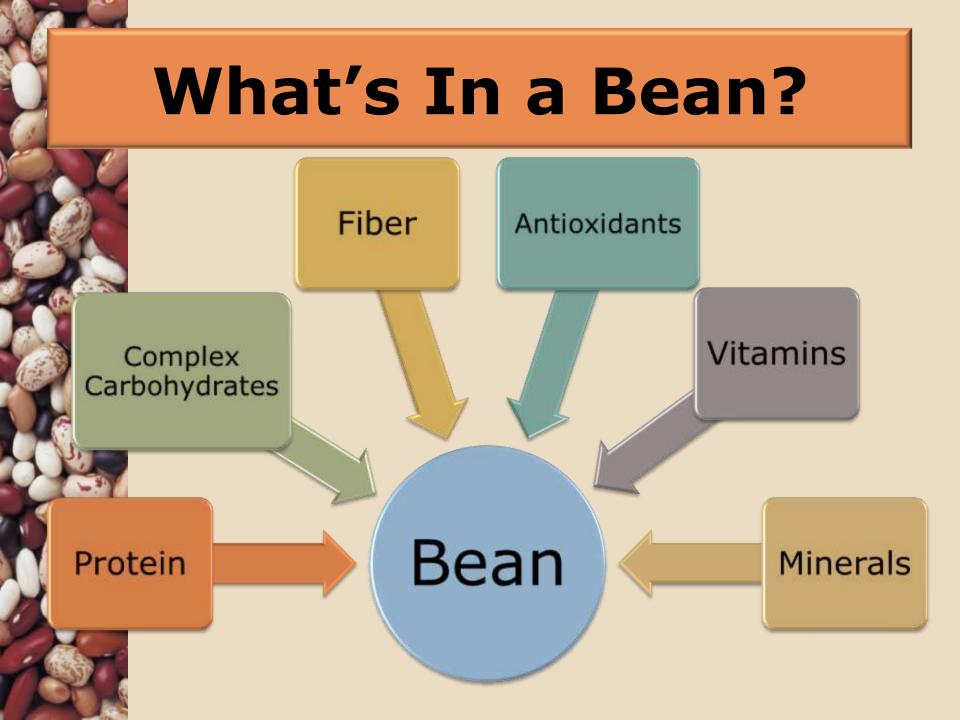












MyPyramid Recommendations



1 cup cooked beans =

1 cup vegetables



1/4 cup cooked beans =

1 ounce equivalent

Adding Beans to Your Diet





Pasta



Dips and Spreads



Baked Goods

Handout



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- 1 cup moded have + 1 cup of reprisers

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Now Serving: Beans!

- Aim for MyPyramid Recommendations
- Beans for Your Health!
- Tips for Adding Beans to Your Diet
- Preparation and Cooking Tips







Bean Bingo!

Bean Bingo Kit:

- Question Booklet
- 25 Bingo Cards
- Evaluation Sheet





- 90 Family and Consumer Science teachers
- 60 Extension agents in Family and Consumer Sciences, Expanded Food and Nutrition Education Program and the Family Nutrition Program







Bean Bingo! Test Your Knowledge

1. What component of beans may help reduce cholesterol levels?

- 2. Beans are a part of which plant family?
- 3. How many legumes, such as beans, are recommended each week?

Soluble Fiber

B I N G O

Legumes



3 cups







- Evaluation tool:
 - 6 questions
 - Rating scale 1 (lowest rating)
 to 5 (highest rating)
 - Ability for multiple evaluations
 - Entry for gender data









• Question 1:

- 5 = Very good
- How would you rate the effectiveness of this learning tool?

Average score: 4.7

- Question 2:
 - How would you rate the participants' interest in the material?

Average score: 4.4







• Question 3:

- 5 = Very good
- How would you rate the participants' knowledge of the material prior to the activity?

Average score: 2

- Question 4:
 - How would you rate the participants' knowledge of the material following the activity?

Average score: 3.8







- Question 5:
 - Did you prepare or sample any bean recipes along with this lesson?

63% reported YES

- Question 6:
 - Did you use other techniques to reinforce the concepts (PowerPoint, discussion, handout, etc.)?
 88% reported YES







- Comments from educators:
 - "Good way to present knowledge; participants had fun learning." – Sioux County, ND
 - "It (kit) was all ready to go and did not require a lot of prep time. The participants enjoyed playing the game." - Nelson County, ND
 - "My students enjoyed it and it reinforced the lesson." – Logan/McIntosh Counties, ND
 - "The questions brought up discussion about much more than just beans. Games help keep interest too." - Ward County, ND







Recipe Development



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Recipe Development



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Consumer Video "Country Chili Mix"



http://www.youtube.com/user/NDSUExtension#p/u/0/Rqz3KKMh5Po

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In Development

- Preschool Project
 - Lesson Plan
 - Plant Experiment
 - Sensory Evaluation Taste-testing
 - Parent Education





- Middle/High School Project
 - Lesson Plan
 - Plant Experiment







In Development

 Survey of Extension agents, teachers, and Extension Specialists in agriculture, nutrition and family and consumer sciences.









Thank you.

Any questions????



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