



### The 'Agent



"Yep, we're growing as many tomatoes as the wife can handle!"



Miss Mary Evelyn Spurr

## Western District 4-H Contestant Gets Awards

By Mary Evelyn Spurr  
Happy Mountain 4-H Club

HAYESVILLE - The State 4-H Jr. Enriched Corn Meal Muffin Contest was held November 13 in Raleigh. Participating from the 74 counties entering the district contest were six girls, one from each district. I was the 4-H girl to represent the Western District.

The bake-off was held at the WUNC - TV studio. We made muffins on television and the \$200 scholarship was awarded to the winner of the contest.

Brenda Woody of Vance County, the winner, was selected on the basis of record books and muffins. The record book counted 75% and muffins 25% of the total score.

The project involved in this 4-H activity is Food Preparation of which I have participated in for five years. Because of participation in this event, I have received many wonderful awards and certificates.

All of these awards were given by the sponsors of the corn meal muffin activity which is headed by Mr. V. E. Vanderford of Raleigh. I have made many new friends from which I have gained some ideas from them on the corn meal muffin activity and they gained some from me.

I made two free trips in the corn meal muffin activity to our State Capitol. Even though I didn't win the State Contest the trips have been very educational to me.

I saw the capitol, the new legislative building, the state fair arena, the state college and appeared on TV. This was an education within itself.

The sponsors and staff of the muffin activity are a nice group of people whom I am happy to include as my friends. My mother and father went to Raleigh with me and they enjoyed their first trip to our State Capitol.

Although I am too old to continue the enriched corn meal muffin activity I shall always be an enriched corn meal booster and look forward to other projects in the 4-H Club work under the leadership of Miss Freida Dean Morgan, 4-H Agent, and Mr. and Mrs. Pat Miller, 4-H Leaders, who have been a source of comfort to me in my disappointments and in my happier moments in 4-H Club work.

Cherokee Scout & Clay County Progress, Thurs., Dec. 26, 1963

Percent or Pounds	Multiply by factor	Converted to percent or pounds
Conversion to element		
P <sub>2</sub> O <sub>5</sub>	X 0.44	- P
K <sub>2</sub> O	X 0.83	- K
A 5-10-10 when converted becomes a 5-4.4-8.3		
Conversion to oxide		
P	X 2.29	- P <sub>2</sub> O <sub>5</sub>
K	X 1.20	- K <sub>2</sub> O

TABLE I - OXIDE-ELEMENTAL CONVERSION METHODS

## Simpler Terms For Fertilizer Explained

Farmers would do well to become familiar with a possible change in fertilizer analysis.

Basically, this change means that the nutrient or "plant food" content of fertilizers, as well as soil and plant tests, will be shown in the form of the chemical element (Phosphorus-P, Potassium - K, boron-B, etc.) instead of oxides or compounds such as phosphorous pentoxide (P<sub>2</sub>O<sub>5</sub>) and potassium oxide. The oxide form also may be included for awhile when needed to help readers in making this change in terminology.

Why make the change? Briefly, the answer is to (1) provide accuracy, simplicity, and uniformity in expressing plant nutrients, and (2) avoid the great confusion in terminology that has arisen from the use of out-of-date and meaningless expressions.

The continuing development of new high-analysis fertilizers provides another sound reason for changing to the elemental basis. There is a definite possibility that within a few years some fertilizers will contain over 100 percent "plant food" if the P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O method of expression is continued! In fact, preliminary research on such fertilizer is already under way.

Is this a new idea? The idea of expressing nutrients on the elemental basis is not new. It has been discussed and endorsed by many organizations, including the fertilizer control officials, professional societies, and some fertilizer industry groups.

In recent years a number of other countries, including Norway, Ireland, New Zealand, and the state of South

### ASCS News

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Social security benefits may be paid to older farmers who have retired or to farmers who become severely disabled. Payment can also be made to farmer's dependents when he retires, becomes disabled, or dies. Benefits can be paid, however, only when the farmer has the required amount of social security credit. Be sure to keep records of farm income and expenses so you can file correct returns.

Australia, have changed to the elemental basis of expression. Scientists from these countries indicate that the change was made with a minimum of confusion for dealers and farmers.

How do we convert nutrient values? Plant nutrient values may be converted from the oxide expression to the elemental expression by using a little arithmetic. Merely multiply the percent or pounds of the oxide by a conversion factor and this will give the percent or pounds of the element. Nitrogen is already expressed on the elemental basis, no change is required for this nutrient (see chart).

Has a change been made before? Yes! The method of expressing nitrogen in fertilizer was changed to the element (n) beginning in 1916. Until that time, nitrogen in fertilizer had been expressed as ammonia NH<sub>3</sub>. This was a logical move because common fertilizers of that day, such as sodium nitrate, contained no ammonia.

This change may not be applied on the fertilizer bags immediately. However, it is almost certain that such a change will take place within the next few years. Presently, technical writings in the American Society of Agronomy are already being expressed in the elemental form.

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TV	WRCB - TV 3 NBC	WTVC - TV 9 ABC	WDEF - TV 12 CBS
V	6:30 Huntley-Brinkley 7:00 Eveready 7:30 Temple Houston 8:30 Dr. Kildare 9:30 Hazel 10:00 Perry Como 11:00 News 11:30 Johnny Carson	6:30 Bob Brandy 7:00 News-Ron Cochran 7:30 Flintstones 8:00 Donna Reed 8:30 My Three Sons 9:00 Jimmy Dean 10:00 Sid Caesar 10:30 Rebel 11:00 News 11:15 Roaring 20's	6:30 News-Walter Cronkite 7:00 Amos 'N' Andy 7:30 Password 8:00 Rowhide 9:00 Perry Mason 10:00 Nurses 11:00 News 11:15 Movie
F	6:30 Huntley-Brinkley 7:00 Ripcord 7:30 International Show 8:30 Bob Hope 9:30 Harry's Girls 10:00 Jack Paar 11:00 News 11:30 Johnny Carson	6:00 Cheyenne 7:00 Ron Cochran 7:30 77 Sunset Strip 8:30 Burke's Law 9:30 Farmer's Daughter 10:00 Boxing 10:45 Bowling 11:15 Movie	6:00 Walter Cronkite 7:00 Amos 'N' Andy 7:30 Great Adventure 8:30 Route 66 9:30 Twilight Zone 10:00 Alfred Hitchcock 11:00 News 11:15 Movie
S	6:30 Platt & Scruggs 7:00 Porter Wagoner 7:30 Ripcord 8:30 Joey Bishop 9:00 Movie 11:00 Checkmate	6:30 Football Scoreboard 7:00 Hootensanny 8:00 Menhant 8:30 Lawrence Welk 9:30 Jerry Lewis 11:30 Movie	6:00 Country Boy Eddie 7:00 Grand Ole Opry 7:30 Jackie Gleason 8:30 Defenders 9:30 Phil Silvers 10:00 Gunsmoke 11:00 Movie
M	6:00 Meet The Press 6:30 Deputy 7:00 Bill Dana 7:30 Walt Disney's World 8:30 Grindl 9:00 Bonanza 10:00 Best On Record 11:00 Movie	6:30 Rescue Eight 7:00 See Hunt 7:30 Jamie McPheeters 8:30 Arroyo And Trial 10:00 Laughs For Sale 10:30 News 11:00 Five Fingers	6:30 Mister Ed 7:00 Lassie 7:30 Favorite Martian 8:00 Ed Sullivan 9:00 Judy Garland 10:00 Candid Camera 10:30 What's My Line 11:00 News 11:15 Movie
W	6:30 Huntley-Brinkley 7:00 Trails West 7:30 Movie 8:30 Hollywood 10:00 Sing With Mitch 11:00 News 11:30 Johnny Carson	6:00 Cheyenne 7:00 Ron Cochran 7:30 Outer Limits 8:30 Wagon Train 10:00 Breaking Point 11:00 News 11:15 Outlaws	6:30 Walter Cronkite 7:00 Amos 'N' Andy 7:30 To Tell The Truth 8:00 I've Got A Secret 8:30 Lucy 9:00 Danny Thomas 9:30 Andy Griffith 10:00 East Side-West Side 11:00 News 11:15 Movie
Th	6:30 Huntley Brinkley 7:00 Ripcord 7:30 Mr. Novak 8:30 Redigo 9:00 Richard Boone 10:00 Andy Williams 11:00 News 11:30 Johnny Carson	6:00 Maverick 7:00 News 7:30 Combat 8:30 McHale's Navy 9:00 Greatest Show 10:00 Fugitive 11:00 News 11:15 87th Precinct	6:30 Walter Cronkite 7:00 Amos 'N' Andy 7:30 CBS Reports 8:30 Glynis 9:00 Beverly Hillsbillies 9:30 Dick Van Dyke 10:00 Danny Kaye 11:00 News 11:15 Movie
F	6:30 News 7:00 Dragnet 7:30 Virginian 9:00 Espionage 10:00 Eleventh Hour 11:00 News 11:30 Johnny Carson	6:00 Cheyenne 7:00 News 7:30 Ozzie and Harriett 8:00 Paddy Duke 8:30 Price Is Right 9:00 Ben Casey 10:00 Cheating 11:00 News 11:15 Surfside 6	6:30 Walter Cronkite 7:00 Amos 'N' Andy 7:30 CBS Reports 8:30 Glynis 9:00 Beverly Hillsbillies 9:30 Dick Van Dyke 10:00 Danny Kaye 11:00 News 11:15 Movie

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