

Incorrect Blend Results in form-U-net

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Q. When requesting a liquid blend in form-U-net, the products and quantities reported in the *Mix Results* grid do not calculate to the grade requested. In addition, the *Formulation Results* show a dollar quantity in the *Other* category that shouldn't be there. How can this be corrected?

The screenshot displays the form-U-net interface with the following sections:

- Formulation Request:** A table with columns for nutrient name, percentage, and analysis. Values: Nitrogen (20.00%), Phosphate (10.00%), Potash (0.00%), Sulfur (0.00%), Zinc (0.00%), Zinc-Che (0.00%).
- Formulation Results:** A summary of costs and quantities. Total cost is \$370.40. Includes a red box around 'Other' at \$186.58.
- Mix Results:** A table with columns for Item Mix Name, Per Batch, and Unit. Includes a red box around '10-34-0' at 588 Lb.

Formulation Request	%	Analysis
Nitrogen	20.00	20.00
Phosphate	10.00	10.00
Potash	--	0.00
Sulfur	--	0.00
Zinc	--	0.00
Zinc-Che	--	0.00

Formulation Results		
Mixed Fert	\$183.82 / Ton	\$183.82
Spreading		\$0.00
Mixing Charge		\$0.00
Applied	\$183.82 / Ton	\$183.82
Other		\$186.58
Total		\$370.40

Mix Results	Per Batch	Unit
Water	1412	Lb.
10-34-0	588	Lb.
Product	2000	Lb.

A. In the example above, form-U-net is using products to create this blend but all of the products are not displaying. This is a function of the *Mix* option on the items in *Material Groups / Edit Activities*.

The *Mix* feature is commonly used when custom applying Ag chemicals that will be added to the blend in the field rather than being mixed in the truck while at the plant. When the *Mix* option is not selected, the plant operator receives a Mix Sheet, as shown below, for a liquid blend asking for 30 Lbs. of N plus 1 Qt. per acre of 2,4-D LV6 on 20 acres. 2,4-D LV6 is not listed in the *Material Name* grid with the UAN-32% to be blended at the plant.

form-U-net Mix Sheet
2/4/2015

Price : \$25.41 \$/Acre (estimate)
 Acres : 20.0 Acres
 Rate : 93.8 Lbs/Acre
 8.5 Gal./Acre

Material System is Solution 55% Poly UAN
 Water Content = 20.0 %
 Density = 11.05 Lb./Gal.
 Salt-out temperature = 27.58 Deg. F

2,4-D LV6 = 1.00 Qt. /Acre - 20 Qt. /Batch

32-0-0

Material Name	Percent	Units/Batch	Scale (Lbs)	Actual
UAN (32-0-0)	100.00	1,875.00 Lb.	1,875	_____

1 Batch

If the *Mix* option is selected for 2,4-D LV6 , the Mixing Sheet contains 2,4-D LV6 in the *Material Name* grid, as shown below.

form-U-net Mix Sheet
2/4/2015

Price : \$25.41 \$/Acre (estimate)
 Acres : 20.0 Acres
 Rate : 96.3 Lbs/Acre
 8.7 Gal./Acre

Material System is Solution 55% Poly UAN
 Water Content = 22.1 %
 Density = 11.02 Lb./Gal.
 Salt-out temperature = 21.77 Deg. F

2,4-D LV6 = 1.00 Qt. /Acre - 20 Qt. /Batch

31-0-0

Material Name	Percent	Units/Batch	Scale (Lbs)	Actual
UAN (32-0-0)	97.40	1,875.00 Lb.	1,875	_____
2,4-D LV6	2.60	5.00 Gal.	1,925	_____

1 Batch