

# Formulate Liquid Fertilizer Blend Using Gallons of Guaranteed Analysis

Last Modified on 05/02/2022 10:54 am CDT

When applying a liquid fertilizer blend at a given gallon per acre, it is possible to formulate the Guaranteed Analysis for that specific amount. At the *Add Blend Ticket* window, enter in the Guaranteed Analysis request in the boxes for N, P, K, etc. Then, select *Guaranteed Analysis* under the *Formulate By* area. Next, insert the total Gal of Analysis desired in the white box and then click the **Formulate** button.

In this example, the request is for 35 gal/acre of 4-12-0-2s.

The screenshot shows the 'Add Blend Ticket # 239' window with the 'General' tab selected. The window contains several input fields and buttons for configuring a fertilizer blend.

**General Tab Fields:**

- Customer ID: 12345 (with a '?' icon and a 'View Maps' button)
- Field ID: Wire80 (with a '?' icon)
- Zone: All (dropdown menu)
- Crop: (empty dropdown menu)
- Plan: (red square icon)
- Placement: (empty dropdown menu)
- Ordered Date: 05/02/2022 (calendar icon)
- Loaded Date: (empty date field with calendar icon)
- Blend Type: Calculated Analysis (dropdown menu)
- Crop Chemistry: (empty dropdown menu)
- <Billing Notes>: (empty text area)
- <Quantity>: 11.000 (text field) and Acres (dropdown menu)
- Product Set: Basic Liquid (dropdown menu)
- Optimize By: List Price (dropdown menu)
- Price By: Guaranteed Analysis (%) (dropdown menu)
- Time: 10:51:48 AM (dropdown menu)
- Agrian Rec: (button)
- Import Blend: (button)
- Registration #: (empty text field)
- Formulate By:   
○ Lbs of Plant Food   
● Guaranteed Analysis (radio buttons)
- Lbs of Analysis: (empty text field)
- Gal of Analysis: 35 (text field)
- Start With Products: (button)
- Load Nut Recs: (button with '?' icon)
- Formulate: (button)

**Analysis Values:**

<N>	<P>	<K>	<S>	UD	<Ca>	<Mg>	<Zn>	<Fe>	<Mn>	<Cu>	B
4.00	12.00	0.00	2.000	0.0000	0.000						

**Buttons at the bottom:** View Analysis, Show Splits, Additional Info..., Edit to Actual, Capture Blender, Save, Cancel, and a checked 'Print on Save' checkbox.

After clicking the **Formulate** button, the program will attempt to fulfill the request using the products available and parameters selected in the product set. Water will be used to reach the desired analysis and Gal/Acre if necessary.

Add Blend Ticket # 239

GeneralProductsPricesBlend

Acres11.000SetBasic LiquidTarget lbs of Analysis101.010Reorder Products

	<Product Name>	Rate/Acre	Unit	Total Product	Unit	Blended	Blended Unit	Scale
1	Water	57.589	Lbs	633.479	Lbs	633.000	Lbs	3
2	10-34-0	35.651	Lbs	392.161	Lbs	392.000	Lbs	3
3	12-0-0-26	7.770	Lbs	85.470	Lbs	85.000	Lbs	3

<

>

Recalc using Rate/Acre

Recalc using Total Product

Recalc using Blended

Recalc using Scale

Apply

<Ship From Location>

Density2.886

% Water57.013

% Clay0

Gal/Acre34.997

Total Gal384.967

Est Salt Out TempN/A

Lbs/Acre101.01

Total Lbs1110

Est Temp Change0

View Analysis

Show Splits

Additional Info...

Edit to Actual

Capture Blender

Save

Cancel

☒ Print on Save