Using the Rate/Acre Calculator

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The *Rate/Acre Calculator* is built into the Blend Ticket and Field Plan to calculate certain products per ton or per 100 gallons when creating a Blend Ticket by the acre. This tool calculates product amounts to use in dry fertilizer and chemical blends such as Agrotain, Nutrisphere, and surfactants.

- Example 1 Dry fertilizer Blend Ticket with Urea, Dap, Potash, and Agrotain Nitrogen Stabilizer to treat the Urea
- Example 2 Chemical Blend Ticket using Liberty, Section 3, Amsol Dry, and Water

Example 1

- Select the Products, enter the *Rate/Acre* for all the Products except Agrotain, then select Recalc using Rate/Acre.
- 2. Note: An analysis can be optionally formulated to calculate the Products and Rate/Acre.
- 3. Right-click the *Rate/Acre* cell of Agrotain to open the *Rate/Acre Calculator* window.
- 4. Uncheck all Products except Urea so the rate/ton of Agrotain is calculated based on only the quantity of Urea in the blend. Another option is to select **UnTag All** then select the Urea Product.
- 5. Enter the rate of Agrotain per 2000 lbs of Urea to be applied. For this example, Agrotain is going to be applied at *2 Qts Per 2000 Pounds* of Urea.

General	FIODUCE	> Price	s blend	Au	tomated B	lender								_	
	Acres	19.400		Set	00-Basi	cDry			Target lbs of Analys	sis 100)	Reorder Produc	cts		
	<produc< td=""><td>t Name></td><td>•</td><td></td><td></td><td>F</td><td>Rate/Acre</td><td>Unit</td><td>Total Product</td><td>Unit</td><td>Blended</td><td>Blended Unit</td><td>Scale</td><td>Lot #</td><td><</td></produc<>	t Name>	•			F	Rate/Acre	Unit	Total Product	Unit	Blended	Blended Unit	Scale	Lot #	<
1	Urea (46	-0-0)					150.000	Lbs	2910.000	Lbs	2910.000	Lbs	1		
2	Dap (18-	46-00)					100.000	Lbs	1940.000	Lbs	1940.000	Lbs	1	SS	F
3	Potash (0-0-60)					100.000	Lbs	1940.000	Lbs	1940.000	Lbs	1		F
4 ▶	Agrotain						0.000	Qts	0.000	Qts	0.000	Qts	2		t
							Enter th and clin for the been of t	ne amo ck the I produc entered otal and Select	unt, and units, of the Done button. This wi It selected, and place grior to this step. Y d if you want to rese Product Name	product ill cause t that rate ou can o t the blen	needed per the in the program to ca e in the grid. Plea ptionally select w id back to the orig	dicated quantity Iculate the corre se ensure that a hich products c jinal total produc	r of total ect rate p all produc contribute ct quantit	produc per acre cts have to the y.	t e
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6. Upon selecting **Done**, the *Rate/Acre* of Agrotain is calculated from the total quantity of Urea in the blend.

General	Proc	ducts	Price	s Blen	d Au	utom	ated Ble	nder										
	Acr	es 1	9.400		Set	0)-Basici	Dry			Target Ibs of Analy	vsis 10	10		Reorder Produ	cts]	
	<pro< td=""><td>oduct</td><td>Name></td><td>,</td><td></td><td></td><td></td><td>Ra</td><td>ate/Acre</td><td>Unit</td><td>Total Produc</td><td>Unit</td><td>Ble</td><td>ended</td><td>Blended Unit</td><td>Scale</td><td>Lot #</td><td><</td></pro<>	oduct	Name>	,				Ra	ate/Acre	Unit	Total Produc	Unit	Ble	ended	Blended Unit	Scale	Lot #	<
1	Urea	a (46-0	-0)						150.000	Lbs	2910.000) Lbs	291	10.000	Lbs	1		
2	Dap	(18-4	6-00)						100.000	Lbs	1940.000) Lbs	194	40.000	Lbs	1	SS	T
3	Pota	ash (0-	0-60)						100.000	Lbs	1940.000) Lbs	194	40.000	Lbs	1		T
4 ▶	Agro	otain					-г		0.150	Qts	2.910	Qts		2.910	Qts	2		-
۲																		>
Re	ecalc (using F	Rate/A	cre	Re	calc	using T	otal Prod	luct	Rec	alc using Blended		Recalc usin	ng Scal	2			>
< Re	ecalc t	using A	Rate/A	cre	Re	calc	using T Ship Fro ocation>	otal Prod	luct De CuFt Lbs/	Rec: ensity /Acre	alc using Blended 62.021 5.643 350	% Wate Total Cui Total Lt	Recalc usin ar rt1 s	ng Scal (109.474 6790	e Est Selt OL Est Temp (% Clay it Temp Change		> 0 A 0

Example 2

- 1. Select the Products and enter the *Rate/Acre* for all Products except Amsol Dry. In this example, the Water was calculated using the *Adjust Water to Gal/Acre* option.
- 2. Left-click in the *Rate/Acre* cell of Amsol Dry to highlight the cell blue. Right-click to open the *Rate/Acre Calculator* window.
- 3. Leave all Products checked to calculate the rate of Amsol Dry based on the total gallons of solution. Enter the rate per 100 gallons of solution. This example uses a rate of 8 *Lbs Per 100 Gallons* of solution.

Jnit Scale 4 4	Lot #	ot#
4		
4		
4		
5		
3		
	3 ity of total pr rect rate pe t all products contribute t uct quantity.	3 ity of total produ- rect rate per au t all products ha contribute to th uct quantity.

4. Once the rate per 100 gallons has been entered, select **Done**. The *Rate/Acre* of Amsol Dry is calculated based on the total gallons of the solution.

eneral	Products	# 559 Price	s Blend													
	Acres	19.400		Set	00-8	asicLiqu	id			Target Ibs of Analy	/sis	100	Reorder Prod	ucts		
	<product< td=""><td>Name></td><td></td><td></td><td></td><td></td><td>Rate/A</td><td>Acre</td><td>Unit</td><td>Total Produc</td><td>Unit</td><td>Blende</td><td>Blended Un</td><td>it Scale</td><td>Lot #</td><td><0</td></product<>	Name>					Rate/A	Acre	Unit	Total Produc	Unit	Blende	Blended Un	it Scale	Lot #	<0
1	Liberty Bu	ulk					32	2.000	Ozs	620.80	0 Ozs	620.80	0 Ozs	4		
2	Section 3	}					3	3.000	Ozs	58.20	0 Ozs	58.20	0 Ozs	4		
3 ▶	Amsol Dr	у					1	.600	Lbs	31.04	D Lbs	31.00	0 Lbs	4		
4	Chemical	Sprayi	ng				1.	.000	Acre	19.40	Acre	19.40	0 Acre	5		
5	Water						162	2.865	Lbs	3159.58	Lbs	3160.00	0 Lbs	3		
<																>
< Re	ecalc using	Rate/A	cre	Rec	calc us	sing Total	Product		Rec	alc using Blended		Recalc using Sc	ale			>
< Re	ecalc using	Rate/A	cre	Rec	<pre>calc us <sh loc<="" pre=""></sh></pre>	sing Total ~ ip From ation>	Product	Der Gal/4 Lbs/4	Reci nsity Acre Acre	alc using Blended	% Wa Total 0 Total L	Recalc using Sc ter 97.7 Gal 3 Jos 3233.4	ale 27 88 Est Salt (78 Est Temp	% Clay Dut Temp Change	N/.	> 0 4 0
< Re	ecalc using	Rate/A Show	cre App App	Rec	<pre>>alc us <sh <="" <ditional="" loc="" pre=""></sh></pre>	sing Total ↓ p From ation>	Product	Der Gal/A Lbs//	Rec: nsity Acre Acre	alc using Blended 8.333 20 166.653 Capture Blender	% Wa Total I Total I	Recalc using So ter 97.7 Gal 3 Jbs 3233.4	ale 27 38 Est Salt (78 Est Temp	% Clay Dut Temp Change Save	Cane	> 0 4 0