

1999 TRI Calculations
Feed Mill A
Podunk, GA

Instructions

General

This spreadsheet is set up for data entry by ingredient. Page 2 is a summary and requires no input.

Input data in shaded blocks on pages 3 through 6, all other fields are calculated.

The file will utilize up to eight ingredients.

You must enter the name, amount used, and percentage constituents for each ingredient.

If you do not have 8 ingredients, you must remove the name and amount used for those you do not have.

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TRI Reporting Applicability				
	Total Amount Processed			
Copper Compounds	176,500	Pounds		REPORTABLE
Manganese Compounds	68,400	Pounds		REPORTABLE
Zinc Compounds	41,600	Pounds		REPORTABLE
Selenium Compounds	8,750	Pounds		NOT REPORTABLE
Arsenic Compounds	4,275	Pounds		NOT REPORTABLE
Formaldehyde	8,250	Pounds		NOT REPORTABLE

TRI Releases				
Does Your Pellet Cooler have a cyclone? (Yes or No)			No	
Does Your Pellet Cooler have a high efficiency cyclone? (Yes or No)			Yes	
AP-42 Emission Factor	0.1633	Pounds per Ton		
	Total Amount Released			Form R or Form A
Copper Compounds	5	Pounds		FORM A
Manganese Compounds	3	Pounds		FORM A
Zinc Compounds	2	Pounds		FORM A
Selenium Compounds	NO REPORT	Pounds		FORM R
Arsenic Compounds	NO REPORT	Pounds		FORM R
Formaldehyde	NO REPORT	Pounds		FORM R
If NO REPORT is indicated, ignore the entry in the Form R or Form A block.				

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Ingredient 1		Amount Used	
Name	Copper Sulfate	150,000	pounds
Composition			
Chemical	Classification	Formula	Percent in Ingredient Percent Reputable Chemical
Copper Sulfate	Copper Compound	CuSO4	99.0% 40.0%
	Copper Compound	C6H4Cu2O7	20.3%
	Copper Compound	Cu2OH3Cl	35.2%
Manganese Sulfate	Manganese Compound	MnSO4	36.4%
Manganese Oxide	Manganese Compound	MnO	77.5%
Zinc Sulfate	Zinc Compound	ZnSO4	40.4%
Zinc Oxide	Zinc Compound	ZnO	80.2%
Sodiun Selenite	Selenium Compound	NaSn	76.0%
See below	Arsenic Compound	HOC6H3(NO2)AsO(OH)2	28.5%
Formaldehyde	Formaldehyde		100.0%
The Arsenic Compound is 3-nitro-4-hydroxyphenylarsonic acid			
Total Copper Compounds		148,500	pounds
Total Copper		59,400	pounds
Total Manganese Compounds		0	pounds
Total Manganese		0	pounds
Total Zinc Compounds		0	pounds
Total Zinc		0	pounds
Total Selenium Compounds		0	pounds
Total Selenium		0	pounds
Total Arsenic Compounds		0	pounds
Total Arsenic		0	pounds
Total Fomraldehyde		0	pounds

Ingredient 2		Amount Used	
Name	Copper Citrate	20,000	pounds
Composition			
Chemical	Classification	Formula	Percent in Ingredient Percent Reputable Chemical
Copper Sulfate	Copper Compound	CuSO4	40.0%
	Copper Compound	C6H4Cu2O7	100.0% 20.3%
	Copper Compound	Cu2OH3Cl	35.2%
Manganese Sulfate	Manganese Compound	MnSO4	36.4%
Manganese Oxide	Manganese Compound	MnO	77.5%
Zinc Sulfate	Zinc Compound	ZnSO4	40.4%
Zinc Oxide	Zinc Compound	ZnO	80.2%
Sodiun Selenite	Selenium Compound	NaSn	76.0%
See below	Arsenic Compound	HOC6H3(NO2)AsO(OH)2	28.5%
Formaldehyde	Formaldehyde		100.0%
The Arsenic Compound is 3-nitro-4-hydroxyphenylarsonic acid			
Total Copper Compounds		20,000	pounds
Total Copper		4,051	pounds
Total Manganese Compounds		0	pounds
Total Manganese		0	pounds
Total Zinc Compounds		0	pounds
Total Zinc		0	pounds
Total Selenium Compounds		0	pounds
Total Selenium		0	pounds
Total Arsenic Compounds		0	pounds
Total Arsenic		0	pounds
Total Fomraldehyde		0	pounds

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Ingredient 3		Trace Metal 435		Amount Used	200,000	pounds
Composition						
Chemical	Classification	Formula	Percent in Ingredient	Percent Reputable Chemical		
Copper Sulfate	Copper Compound	CuSO4				40.0%
	Copper Compound	C6H4Cu2O7				20.3%
	Copper Compound	Cu2OH3Cl	4.0%			35.2%
Manganese Sulfate	Manganese Compound	MnSO4	25.9%			36.4%
Manganese Oxide	Manganese Compound	MnO	8.3%			77.5%
Zinc Sulfate	Zinc Compound	ZnSO4	13.9%			40.4%
Zinc Oxide	Zinc Compound	ZnO	6.9%			80.2%
Sodiun Selenite	Selenium Compound	NaSn				76.0%
See below	Arsenic Compound	HOC6H3(NO2)AsO(OH)2				28.5%
Formaldehyde	Formaldehyde					100.0%
The Arsenic Compound is 3-nitro-4-hydroxyphenylarsonic acid						
Total Copper Compounds		8,000		pounds		
Total Copper		2,813		pounds		
Total Manganese Compounds		68,400		pounds		
Total Manganese		31,727		pounds		
Total Zinc Compounds		41,600		pounds		
Total Zinc		22,298		pounds		
Total Selenium Compounds		0		pounds		
Total Selenium		0		pounds		
Total Arsenic Compounds		0		pounds		
Total Arsenic		0		pounds		
Total Fomraldehyde		0		pounds		

Ingredient 4		Roxarsone		Amount Used	75,000	pounds
Composition						
Chemical	Classification	Formula	Percent in Ingredient	Percent Reputable Chemical		
Copper Sulfate	Copper Compound	CuSO4				40.0%
	Copper Compound	C6H4Cu2O7				20.3%
	Copper Compound	Cu2OH3Cl				35.2%
Manganese Sulfate	Manganese Compound	MnSO4				36.4%
Manganese Oxide	Manganese Compound	MnO				77.5%
Zinc Sulfate	Zinc Compound	ZnSO4				40.4%
Zinc Oxide	Zinc Compound	ZnO				80.2%
Sodiun Selenite	Selenium Compound	NaSn				76.0%
See below	Arsenic Compound	HOC6H3(NO2)AsO(OH)2	5.7%			28.5%
Formaldehyde	Formaldehyde					100.0%
The Arsenic Compound is 3-nitro-4-hydroxyphenylarsonic acid						
Total Copper Compounds		0		pounds		
Total Copper		0		pounds		
Total Manganese Compounds		0		pounds		
Total Manganese		0		pounds		
Total Zinc Compounds		0		pounds		
Total Zinc		0		pounds		
Total Selenium Compounds		0		pounds		
Total Selenium		0		pounds		
Total Arsenic Compounds		4,275		pounds		
Total Arsenic		1,219		pounds		
Total Fomraldehyde		0		pounds		

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Ingredient 5					
Name	Termin-8	Amount Used	25,000	pounds	
Composition					
Chemical	Classification	Formula	Percent in Ingredient	Percent Reputable Chemical	
Copper Sulfate	Copper Compound	CuSO4		40.0%	
	Copper Compound	C6H4Cu2O7		20.3%	
	Copper Compound	Cu2OH3Cl		35.2%	
Manganese Sulfate	Manganese Compound	MnSO4		36.4%	
Manganese Oxide	Manganese Compound	MnO		77.5%	
Zinc Sulfate	Zinc Compound	ZnSO4		40.4%	
Zinc Oxide	Zinc Compound	ZnO		80.2%	
Sodiun Selenite	Selenium Compound	NaSn		76.0%	
See below	Arsenic Compound	HOC6H3(NO2)AsO(OH)2		28.5%	
Formaldehyde	Formaldehyde		33.0%	100.0%	
The Arsenic Compound is 3-nitro-4-hydroxyphenylarsonic acid					
Total Copper Compounds		0		pounds	
Total Copper		0		pounds	
Total Manganese Compounds		0		pounds	
Total Manganese		0		pounds	
Total Zinc Compounds		0		pounds	
Total Zinc		0		pounds	
Total Selenium Compounds		0		pounds	
Total Selenium		0		pounds	
Total Arsenic Compounds		0		pounds	
Total Arsenic		0		pounds	
Total Fomraldehyde		8,250		pounds	

Ingredient 6					
Name	Selenium Stuff	Amount Used	25,000	pounds	
Composition					
Chemical	Classification	Formula	Percent in Ingredient	Percent Reputable Chemical	
Copper Sulfate	Copper Compound	CuSO4		40.0%	
	Copper Compound	C6H4Cu2O7		20.3%	
	Copper Compound	Cu2OH3Cl		35.2%	
Manganese Sulfate	Manganese Compound	MnSO4		36.4%	
Manganese Oxide	Manganese Compound	MnO		77.5%	
Zinc Sulfate	Zinc Compound	ZnSO4		40.4%	
Zinc Oxide	Zinc Compound	ZnO		80.2%	
Sodiun Selenite	Selenium Compound	NaSn	35.0%	76.0%	
See below	Arsenic Compound	HOC6H3(NO2)AsO(OH)2		28.5%	
Formaldehyde	Formaldehyde			100.0%	
The Arsenic Compound is 3-nitro-4-hydroxyphenylarsonic acid					
Total Copper Compounds		0		pounds	
Total Copper		0		pounds	
Total Manganese Compounds		0		pounds	
Total Manganese		0		pounds	
Total Zinc Compounds		0		pounds	
Total Zinc		0		pounds	
Total Selenium Compounds		8,750		pounds	
Total Selenium		6,647		pounds	
Total Arsenic Compounds		0		pounds	
Total Arsenic		0		pounds	
Total Fomraldehyde		0		pounds	

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Ingredient 7		Name		Amount Used	
					pounds
Composition					
Chemical	Classification	Formula	Percent in Ingredient	Percent Reputable Chemical	
Copper Sulfate	Copper Compound	CuSO4		40.0%	
	Copper Compound	C6H4Cu2O7		20.3%	
	Copper Compound	Cu2OH3Cl		35.2%	
Manganese Sulfate	Manganese Compound	MnSO4		36.4%	
Manganese Oxide	Manganese Compound	MnO		77.5%	
Zinc Sulfate	Zinc Compound	ZnSO4		40.4%	
Zinc Oxide	Zinc Compound	ZnO		80.2%	
Sodiun Selenite	Selenium Compound	NaSn		76.0%	
See below	Arsenic Compound	HOC6H3(NO2)AsO(OH)2		28.5%	
Formaldehyde	Formaldehyde			100.0%	
The Arsenic Compound is 3-nitro-4-hydroxyphenylarsonic acid					
Total Copper Compounds		0		pounds	
Total Copper		0		pounds	
Total Manganese Compounds		0		pounds	
Total Manganese		0		pounds	
Total Zinc Compounds		0		pounds	
Total Zinc		0		pounds	
Total Selenium Compounds		0		pounds	
Total Selenium		0		pounds	
Total Arsenic Compounds		0		pounds	
Total Arsenic		0		pounds	
Total Fomraldehyde		0		pounds	

Ingredient 8		Name		Amount Used	
					pounds
Composition					
Chemical	Classification	Formula	Percent in Ingredient	Percent Reputable Chemical	
Copper Sulfate	Copper Compound	CuSO4		40.0%	
	Copper Compound	C6H4Cu2O7		20.3%	
	Copper Compound	Cu2OH3Cl		35.2%	
Manganese Sulfate	Manganese Compound	MnSO4		36.4%	
Manganese Oxide	Manganese Compound	MnO		77.5%	
Zinc Sulfate	Zinc Compound	ZnSO4		40.4%	
Zinc Oxide	Zinc Compound	ZnO		80.2%	
Sodiun Selenite	Selenium Compound	NaSn		76.0%	
See below	Arsenic Compound	HOC6H3(NO2)AsO(OH)2		28.5%	
Formaldehyde	Formaldehyde			100.0%	
The Arsenic Compound is 3-nitro-4-hydroxyphenylarsonic acid					
Total Copper Compounds		0		pounds	
Total Copper		0		pounds	
Total Manganese Compounds		0		pounds	
Total Manganese		0		pounds	
Total Zinc Compounds		0		pounds	
Total Zinc		0		pounds	
Total Selenium Compounds		0		pounds	
Total Selenium		0		pounds	
Total Arsenic Compounds		0		pounds	
Total Arsenic		0		pounds	
Total Fomraldehyde		0		pounds	