

Management


Pest ID

Product

Calibration
mixing

Site Awareness

Regulations

## Small Mistakes Can Be Costly

Over 600 acre day

| Herb | \$/ | Per Acre |  | Over (\%) |  |
| :--- | :---: | :---: | :---: | :---: | :---: |$\quad$ Left in the Field

$\begin{array}{llllllll}\text { D } & 4.5 & 3.5 & 15.75 & 1.6 & 2.4 & 3.15 & \$ 960-1890\end{array}$


## Measure By

 The PoundMeasure By The Gallon


## Measure By The Ounce

First
Conclusion

More precision required when measuring products by the ounce

## LIQUID OUNCES




## FUNGICIDES

## C1/baspl

## insects in turfgrass

Not for Sale or Use in Nassau and Suffolk Counties, New York
Active Ingredients:
halofenozide: Benzoic acid, 4-chloro-, 2-benzoyl-2-(1,1-dimethylethyl) hydrazide.22.3\%

Inert Ingredients

77.7\%

Total Ingredients
100.0\%

Contains 2 pounds of active ingredient per gallon.

## Keep Out of Reach

of Children
CAUTION PRECAUCION
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)
Refer to inside of label booklet for additional precautionary information including Personal Protective Equipment (PPE) and Directions for Use including Storage and Disposal.

Myilcuitural voe nequirenienls Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Notice: Read the entire label. Use only according to label directions. Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.
In case of emergency endangering health or the environment involving this product, call 1-800-9925994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.
Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

## Shake Well Before Using

EPA Reg. No. 62719-471
EPA Est. 5905-GA-01 900-009358 / 00197222
*Trademark of Dow AgroSciences LLC Dow AgroSciences LLC Indianapolis, IN 46268 U.S.A.

FL.OZ.
E


SENGORE














## Second

## Conclusion

- Make sure device is accurate


## DRY OUNCES



## FLUID OUNCE VS. DRY OUNCE

## -3-oz table salt measured by volume

## -3-oz table salt measured by weight




8 liquid ounces of water



Tiny Baby's Growth a Christmas Miracle Born weighing less than a soda can ■Updated: Thursday, 15 Dec 2011, 9:21 AM MST Published : Thursday, 15 Dec 2011, 9:21 AM MST
-PHOENIX - An amazing story of survival -one of the world's smallest babies -- tipping in at only 9.5 ounces at birth -- is getting ready to head home. It's truly a Christmas miracle!

- Baby Melinda was so tiny that she could fit in the palm of her doctor's hand. She weighed less than a can of Coke.



Third Different






## DRY OUNCE



32 fl . oz.
$31 \mathrm{fl} . \mathrm{Oz}$.
$30 \mathrm{fl} . \mathrm{oz}$.
$29 \mathrm{fl} . \mathrm{oz}$.
28 fl. oz.
27 fl. oz.
26 fl. oz.
$25 \mathrm{fl} . \mathrm{oz}$.
24 fl. oz.
$23 \mathrm{fl} . \mathrm{oz}$.
$22 \mathrm{fl} . \mathrm{oz}$.
21 fl. oz.
$20 \mathrm{fl} . \mathrm{oz}$. $\qquad$
$19 \mathrm{fl} . \mathrm{oz}$.
$18 \mathrm{fl} . \mathrm{oz}$. $\qquad$
$17 \mathrm{fl} . \mathrm{oz}$. $\qquad$
16 fl. oz.
15 fl. oz.

$14 \mathrm{fl} . \mathrm{oz}$. $\qquad$ $-$
$13 \mathrm{fl} . \mathrm{oz}$. $\qquad$
$12 \mathrm{fl} . \mathrm{oz}$. $\qquad$
$11 \mathrm{fl} . \mathrm{oz}$. $\qquad$
$10 \mathrm{fl} . \mathrm{oz}$.
$9 \mathrm{fl} . \mathrm{Oz}$. $\qquad$
$8 \mathrm{fl} . \mathrm{oz}$. $\qquad$
$7 \mathrm{fl} . \mathrm{oz}$. -
-16 oz-
23 oz.
22 oz
21 oz.
$-1402-\quad 2002$.
-13 oz-
19 oz.
18 oz.
-12 oz-
-11 oz-
-10 oz-

- 90 -
- 8 oz -

What are the consequences of
$-70 z$ using the wrong measuring tube?

- 6 oz -
- 50 oz -
- 402 —

8 oz
7 oz .
$60 z$.
5 oz.

6 fl. oz.

- Moasuring guide to be used with Dupont Arioner ingoducts.
- Measurement will indicate the number of gallons the product will yield once mixed with water.
- Volumetric accuracy $\pm 7.5 \%$ - Weighing required for more precise measurement.
A01474023






## USE ONLY TO MEASURE

## DuPont ${ }^{\text {tw }}$ Streamline ${ }^{\text {TM }}$

## herbicide

This volumetric guide provides a reasonably accurate measurement of weight but where a high degree of accuracy is required, the material should be weighed.

Do not use the measuring guide for products other than
Dupont ${ }^{\text {TM }}$ Streamline ${ }^{\text {TMM }}$ herbicide.
E. I. du Pont de Nemours and Company, Wilmington, DE 19898 A01402903:

## Do You Want Convenience or Accuracy?

- Measuring guide to be used with DuPont ${ }^{\text {TM }}$ Harmony ${ }^{\left({ }^{( }\right)}$Extra XP herbicide Diepece of guide after use; net to be used for other products.
- Measurements in $0.20,0.25$, and 0.33 ounce increments.
- Volumetric accuracy $\pm 7.5 \%$ - Weighing required for more precise measurement.


## 0 Spellsight

This volumetric device provides reasonably accurate measurement of weight $(+1-10 \%)$. Where a high degree of accuracy is needed, the material should be weighed.

## V00-372-003 010-50780

" VALENT":


Volumetric accuracy $\pm 15 \%$.
Weigh scales required for more precise measurement.

Dispose of after use.
Not for use with other products.




# Fifth Conclusion 

Devices not very accurate. Weighing out material will get you the most accurate measurement.






$$
\begin{aligned}
& 8, \\
& 3 \\
& 3
\end{aligned}
$$

$$
2
$$







Seventh Conclusion

Keep the dry product agitated in the spray tank

You might have premix if water is really cold

## VERIFYING TANK MEASUREMENTS



## VERIFYING TANK MEASUREMENTS







## Accurate <br> Measurement Starts <br> the Chain of Events to <br> Success or Failure

## More precision for ounce measurement

## Dry and liquid qunces are different

## Single liquid ounce units on measuring devices

Use specific tubes made for dry products

Weigh dry prociucts for accuracy
Mhrow away
dry measuling
tubes
Ask retailer for
dry tude that
came with
product

