

Weights & Measures





Topics

- Scale Requirements
 - Weighmaster License
 - W&M Labeling
(Federal Packaging and Labeling Act)
- 

Scale Requirements - NTEP

- ▶ Must be NTEP approved (National Type Evaluation Program)
 - ▶ Should have NTEP CC# (Certificate of Conformance)
 - ▶ CC# always has the format YY-### (e.g. 19-001)
 - ▶ CC# can be confirmed at www.ncwm.net/certificates





NTEP Certificates of Conformance Database Search

Search Tips: [How to Use the NTEP Database \(Slides\)](#)

- To ensure the most current Certificate of Conformance is found, **only** enter the **first five digits**. (i.e. 00-000)
- Enter data into at least one field to begin search.
- To ensure the broadest search, enter the **fewest** criteria. (i.e. CC Number or Manufacturer)
- Enter partial names, certificate or model numbers to expand your search.
- Drop-down menu functionality may be affected by older versions of Internet Explorer (IE).

Active Status: Devices are being manufactured or re-manufactured for commercial application under an NTEP Certificate of Conformance. This means that the Certificate is in force and all fees have been paid.

Inactive Status: An inactive Certificate of Conformance is a Certificate which was previously active, but the devices are no longer being manufactured for commercial applications subject to local regulations or laws; however, devices already manufactured, installed or in inventory, but not yet sold, may be used, sold, repaired and resold under inactive Certificates of Conformance.

For assistance with your search, contact NCWM at (402) 434-4880 or info@ncwm.net.

[NTEP Certificates issued during the month of November 2018](#)

CC Number	Status	Manufacturer	Select Manufacturer	Model Number	Select Model Number	Device Type	Select Device Type	Keyword		
<input type="text"/>	Any	<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>	<input type="button" value="SEARCH"/>	<input type="button" value="RESET"/>



< JANUARY 2019 >						
S	M	T	W	T	F	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

Scale Requirements – Sensitivity



Scale Requirements

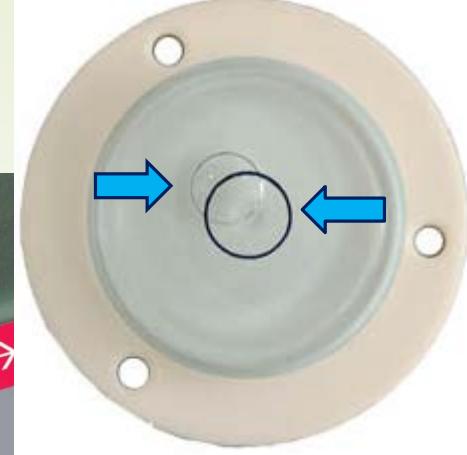
– Sensitivity

- The bracket around hundredths (0.00) indicate it is not legal for trade
- Only certified to tenths but less uncertainty



Scale Requirements - Environment

- Always maintain a level scale
- Keep scale on a stable surface
- Protect scale from crosswinds





Device Registration Fee

- Fee will be charged upon initial registration and, thereafter, annually
- Annual fee is always due February 15
- 50% penalty for late payment
- Fee consists of:
 - \$100 location fee
 - \$20-30 per device (scale)
 - \$1.10 state administrative fee per device



Weighmaster License

- Issued by CDFA DMS
(Division of Measurement Standards)
 - www.cdfa.ca.gov/dms/
 - Enforced by county W&M and State
- 



[CDFA Home](#) | [Division of Measurement Standards](#)

Division of Measurement Standards (DMS)

6790 Florin Perkins Road, Suite 100, Sacramento, CA 95828 • 916-229-3000 • dms@cdfa.ca.gov

Enforcement of California weights and measures laws and regulations is the responsibility of the Division of Measurement Standards (DMS). The Division's activities are designed to:

- Ensure the accuracy of commercial weighing and measuring devices.
- Verify the quantity of both bulk and packaged commodities.
- Enforce the quality, advertising and labeling standards for most petroleum products.

The Division works closely with county sealers of weights and measures who, under the supervision and direction of the Secretary of Food and Agriculture, carry out the vast majority of weights and measures enforcement activities at the local level. Ensuring fair competition for industry and accurate value comparison for consumers are the primary functions of the county/state programs.

About DMS

[DMS Office Locations](#)

Director

Kristin Macey

[View Her Video](#)



Quick Links

New! [Cannabis](#)

Update [List of NTEP Class I & II Scales \(February 2019\)](#)

[Sort by Company](#)

[Sort by NTEP Certificate Number](#)

[Registered Service Agent Online Exam](#)

[File A Complaint](#)

[Listing of Public Scales](#)

[Online Weighmaster Renewal](#)

> Zero Emission Vehicle Projects

> Device Enforcement Program

> Petroleum Products Program

> Registered Service Agency

> California Type Evaluation Program (CTEP)

> Metrology Program

> Quantity Control Program

> Weighmaster Enforcement Program

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CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

DIVISION OF MEASUREMENT STANDARDS: Weighmaster Enforcement Program



The Weighmaster Enforcement program assures that commercial transactions based on quantities certified on a Weighmaster Certificate are accurate. The program licenses Weighmasters, individuals or firms who weigh or measure bulk commodities and issue certificates of accuracy. Program activities include reweighing of vehicles and containers to verify the net weight statements on Weighmaster Certificates and routine as well as spot inspection of establishments involved in bulk sales.

California Business and Professions Code, Division 5, Chapter 7, requires all businesses operating as a Weighmaster to be licensed.

[Consumers](#) [Business](#) [Government](#)

- | | |
|--|--|
| <ul style="list-style-type: none">Consumer Information GuideComplaint FormPlanning A Move?Public Scales Listing | <ul style="list-style-type: none">CalRecycle (Bottles and Cans)CalRecycle (E-Waste)Electronic Waste Management |
|--|--|

MORE RESOURCES

Cannabis

[File a Complaint](#)

LICENSING INFO

NEW Weighmaster FAQs

[Online Weighmaster Application, Renewals and Updates](#)

[Weighmaster Application Form \(Printable Copy\)](#)

[Weighmaster Cancellation Form](#)

TARE INFO

[Common Tare Brochure](#)

[Common Tare Notice](#)

[Predetermined Tare Brochure](#)

[Seasonal Tares Brochure](#)

SCRAP BUSINESSES

[CalRecycle](#)

[Weighmaster E-Waste Program](#)

[Storm Water Permit Information Handout](#)

[Scrap Theft Alert Registration](#)

OTHER INFO

[DMS Policy and Procedural Guidelines \(DMS Notices\)](#)

[Weighmaster Certificate Sample](#)

[Weighmaster/Deputy Requirements](#)

WEIGHMASTER LAWS

[Division 5. Weights and Measures. Chapter 7, Weighmasters \(12700-12799\)](#)



DIVISION OF MEASUREMENT STANDARDS

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New Online Weighmaster Application, Renewal and Update

The Division of Measurement Standards (DMS) now offers the ability to apply, renew, and/or update Weighmaster Licenses online.



Apply

[Apply for a new Weighmaster License.](#)

To apply for an online Weighmaster License, you may need the following information to complete your application. Any required documents can be uploaded during the application process.

- Copy of Fictitious Business Name Statement if using a "Doing Business As (DBA)" name
- Copy of current Business License for each location if operating as a Junk Dealer / Recycler
- Copy of Pawn Brokers / Secondhand Dealers License issued by the Department of Justice if requesting a Junk Dealer / Recycler exemption
- Email address registered with [Scrap Theft Alert](#) if business is a Junk Dealer / Recycler
- Full (FIRST AND LAST) names for all Deputy Weighmasters

Renew/Update

[Log in to your Weighmaster License to make updates or pay for](#)

On the **NEW** Weighmaster update page, you may pay for your annual renewal or do any of the following:

- Update Weighmaster License information
- Add and delete Deputy Weighmasters
- Add and delete locations
- Attach additional required information (Business License/Fictitious Business Name Statement, etc.)
- Pay for annual renewal
- Make required declarations for Junk Dealer / Recycler Weighmasters
- Pay for any fees due

QUICK LINKS

[Weighmaster Enforcement Program](#)

[Weighmaster Application Form
\(Printable Copy\)](#)

[Weighmaster Cancellation Form](#)

[Weighmaster/Deputy Requirements](#)

[Weighmaster Instructions to
Deputies](#)

[Common Tare Brochure](#)

[Common Tare Notice](#)

[Weighmaster E-Waste Program](#)

[Predetermined Tare Brochure](#)

[Seasonal Tares Brochure](#)

[Storm Water Permit Information
Handout](#)

[Weighmaster Certificate Sample](#)

[Scrap Theft Alert Registration](#)

[CalRecycle](#)

[File a Complaint](#)

[DMS Policy and Procedural Guidelines
\(DMS Notices\)](#)

WEIGHMASTER LAW

[Division 5. Weights and Measures.
Chapter 7, Weighmasters \(12700-
12737\)](#)

[Division 8, Special Business
Regulations. Chapter 9, Article 3
Junk \(21600-21610\)](#)

WEIGHMASTER REGULATIONS

[Chapter 9 Weighmaster
Enforcement](#)





Deputy Weighmaster

- ▶ Any person who determines the weight and enters information into Track & Trace must be a deputy weighmaster
- ▶ Each additional deputy is a \$20 fee
- ▶ Each deputy fee covers a deputy spot, not a specific employee



Labeling Requirements

■ I.R.Q

■ Identity

■ Responsibility

■ Quantity



Labeling – Identity Statement

- Definition according to regulations:
 - (a) the name specified in or required by any applicable federal or state law or regulation or, in the absence of this;
 - (b) the common or usual name or, in the absence of this;
 - (c) the generic name or other appropriate description, including a statement of function (such as “cleaning powder”).
- Bottom line: A customer who doesn't know what the product is, should be able to find out by an Identity Statement.




Labeling – Responsibility

- Name of Company
 - Corporate Name or DBA
- Address
 - Street Address*
 - City
 - State
 - ZIP



Omission of Street Address

- If the street address is listed in any readily accessible, well-known, widely published, and publicly available resource, including but not limited to a print directory, electronic database, or Web site, it may be omitted.
- If packing or manufacturing is done in a location that is not the principal place of business, the label may state the principal address instead. So long as that is not misleading.

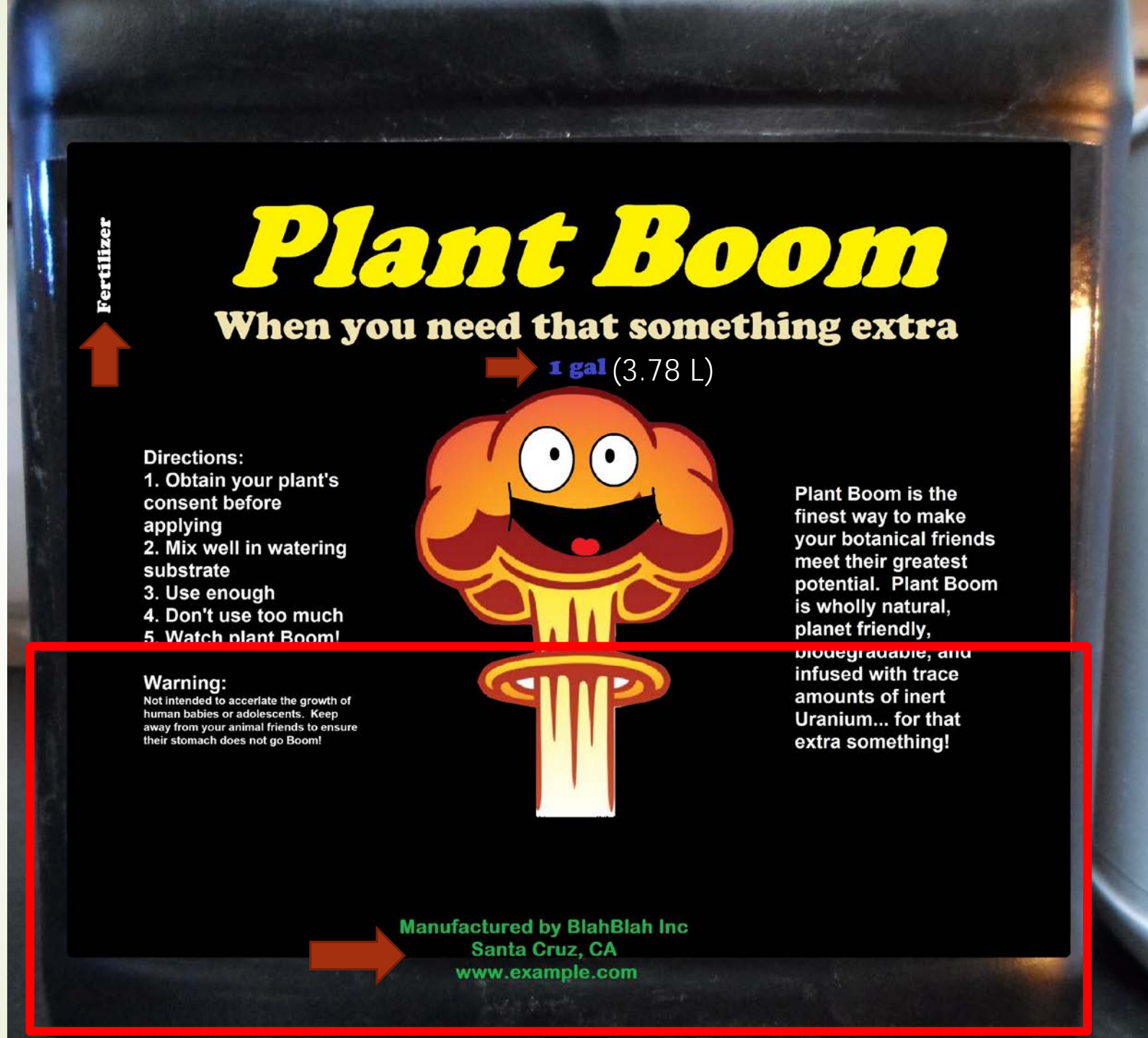


Labeling - Quantity

- ▶ How much is in package, i.e. net contents
 - ▶ Most errors occur here
- ▶ Some Quantity Statement requirements:
 - ▶ SAE and Metric
 - ▶ Minimum height
 - ▶ Lower 30% of principal display
 - ▶ Contrast
 - ▶ Free Space

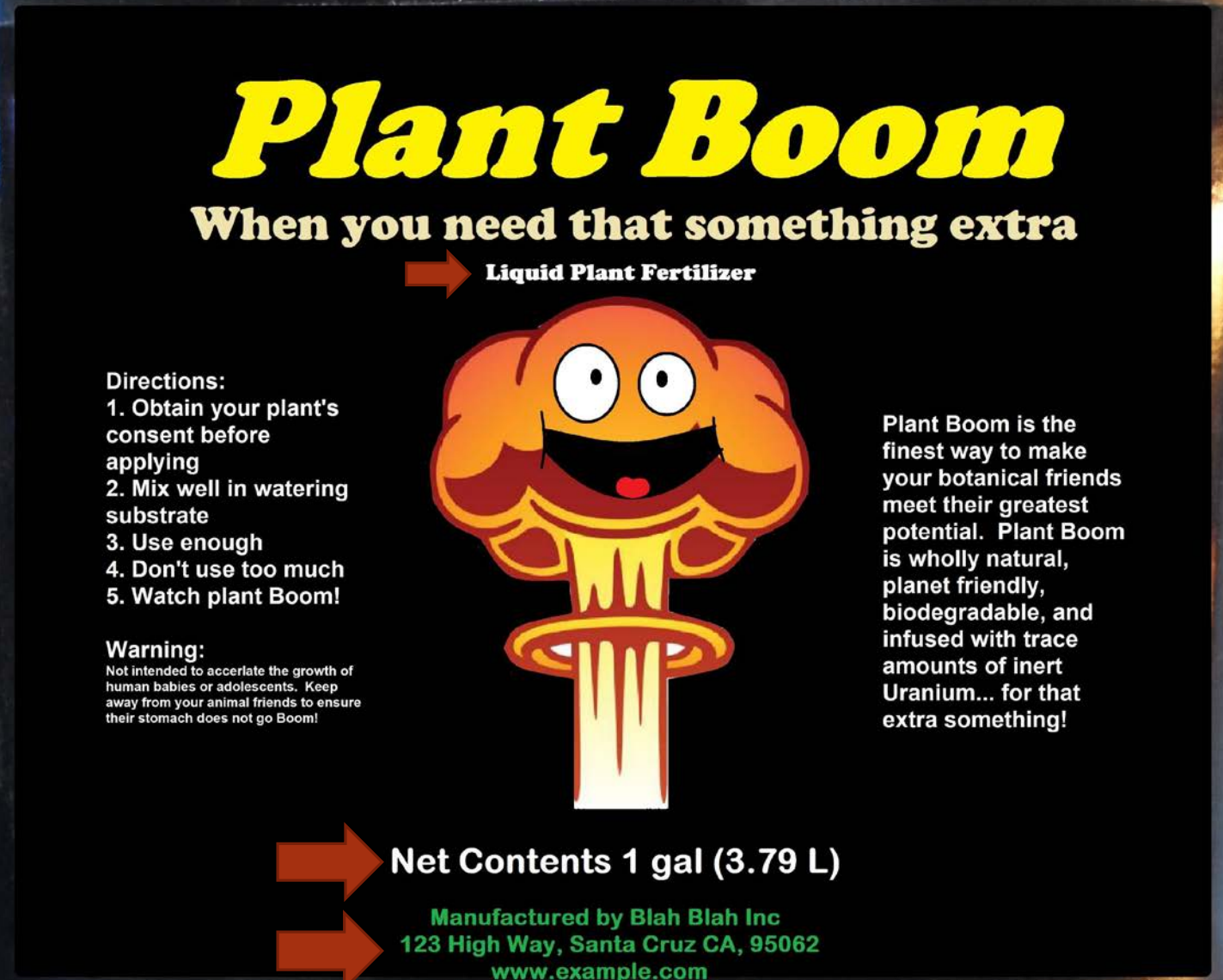
Example Label

- Identity is not parallel
- Identity is insufficient
- Responsibility is incomplete
- Quantity is not in lower 30%
- Quantity has poor contrast
- Quantity lacks SI units
- Quantity too small



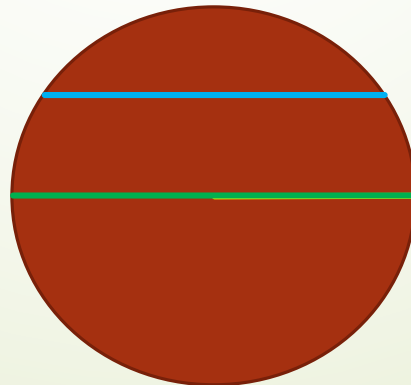
Correct Label

- Identity more informative
- Identity parallel
- Responsibility complete
- Quantity in lower 30%
- Quantity larger font
- Quantity has SI units*
- Quantity has better contrast



Principal Display

- Side of the package intended to face the customer
- If multiple principal displays, all principal displays must be correct
- Need to determine the area of the Principal Display
- Rectangular package – height x width
- Cylindrical package – $2 \times \pi \times r \times \text{height} \times 0.4$
 - π (pi) = 3.14, r (radius) = length from center of circle to edge, 0.4 = 40%
 - Alternative to $2r$ = diameter, longest length across circle – $d \times \pi \times \text{height} \times 0.4$



Minimum Quantity Height

Table 1. Minimum Height of Number and Letter

Area of Principal Display Panel	Minimum Height	Min Height; Formed or Molded on container
$\leq 32 \text{ cm}^2 (5 \text{ in}^2)$	1.6 mm (1/16 in)	3.2 mm (1/8 in)
$> 32 \text{ cm}^2 (5 \text{ in}^2) \leq 161 \text{ cm}^2 (25 \text{ in}^2)$	3.2 mm (1/8 in)	4.8 mm (3/16 in)
$> 161 \text{ cm}^2 (25 \text{ in}^2) \leq 645 \text{ cm}^2 (100 \text{ in}^2)$	4.8 mm (3/16 in)	6.4 mm (1/4 in)
$> 645 \text{ cm}^2 (100 \text{ in}^2) \leq 2581 \text{ cm}^2 (400 \text{ in}^2)$	6.4 mm (1/4 in)	7.9 mm (5/16 in)
$> 2581 \text{ cm}^2 (400 \text{ in}^2) \leq$	12.7 mm (1/2 in)	14.3 mm (9/16 in)

Note: in no case shall any letter be less than 1/16in

Minimum Quantity Height

- Usually measured by the “L” or “d” of a font
- In the case of the smallest requirement [principal display $\leq 32 \text{ cm}^2$ (5 in^2), 1.6 mm (1/16 in)] all letters would need to meet 1/16 in
- E.g. {Ne} Contents 1.0 oz (28.3 g)




Other oddities

- Rule of 1000
- Free area
- Incorrect abbreviations
- Conversion to SI

Rule of 1000

- The SI units must be a number that satisfies $1 \leq x < 1000$

Correct	Incorrect
900 mg	0.9 g
1.5 kg	1500 g
750 mm or 75 cm	0.75 m
2 L	2000 ml



Free Area



All Natural
1 gal (3.79 L)
Gluten Free

Incorrect Abbreviations

Correct	Incorrect	Correct	Incorrect
oz (ounce)	oc, oze, onc	L or l (liter)	lr, ltr, lit, Lt
gal (gallon)	g, gln, galn	kg (kilogram)	Kg, ki-g, kgr
m (meter)	mt, met, mtr	ml or mL (milliliter)	Ml, ML, mil-l,
g (gram)	gr, gm, grm	cm (centimeter)	cmt, cenm, cn-mt

SI Conversion

- ▶ SAE units do not neatly convert to SI units
- ▶ Keep in mind that your quantity statement is what you claim your product contains
- ▶ When converting units be cautious about rounding

Quantity	SI conversion	Possible rounding
1 gal	3.78 L	3.8L, 4L
1/16 oz	1.77 g	1.8 g, 2 g
1 ft	304.8 mm	305 mm, 300 mm



Weights & Measures Review

- Obtain Weighmaster License from the CDFA DMS
- Scales used for track and trace must be NTEP approved, suitable for the application, and in an appropriate environment
- Labels must comply with Federal Packaging and Labeling Act (FPLA)
 - I – Identity
 - R – Responsibility
 - Q – Quantity



Weights & Measures Contact Info

- David George or Andrew Kimura
 - (831) 454 - 2383
 - David.George@santacruzcounty.us
 - Andrew.Kimura@santacruzcounty.us
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