

**Which type of
irrigation system?**

When to install?

**How much
will it cost?**

Fleming Irrigation takes the confusion out of golf course irrigation. Starting from your course, they plan and design the system to fit your exact needs.

With their knowledge of sods, turfs and grasses, as well as irrigation, Fleming keeps the green in your greens and fairways.

You are assured of a fail-safe installation from the beginning because Fleming has the experience that comes only from installing systems on a variety of courses.

Doesn't it make good sense to have an irrigation specialist and water engineer plan, design and install your irrigation system?

Take time out to talk to Fleming . . .



**FLEMING
IRRIGATION INC.**

6511 Line Avenue Shreveport, La. 71106
Telephone (318) 865-7253

For more information circle number 212 on card

Weight It Out

This is a table published by the Wisconsin Golf Course Superintendents Association in its newsletter which every superintendent should keep within easy reach. Any man who says "Who Needs it?"—that he has all this stuff committed to memory—has got to be kidding.

VOLUME

- 1 liter = 1.056 qts.
 - 1 gallon = 281 cu. in. or .1337 cu. ft.
 - 1 gallon weighs 8.33 pounds
 - 1 million gallons = 3.0689 Acre feet
 - 1 cu. ft. = 1728 cu. in. or 7.48 gal.
 - 1 cu. ft. weighs 62.4 pounds
 - 1 g.p.m. = .00223 cu. ft./sec. or 1440 gal./day
 - 1 m.g.d. = 1.547 cu. ft./sec. or 695 gal./min.
 - 1 cu. ft./sec. = 7.48 gal./sec. or 448.8 g.p.m. or 646,272 g.p.d. or .992 Acre inch/hr.
 - 1 acre inch/day requires 18.7 g.p.m. cont. flow
 - 1 cu. ft. = 1,728 cu. in.
 - 1 cu. yd. = 27 cu. ft.
 - 1 Acre ft. = 1,613 cu. yds.
 - 1 sq. yd. = 9 sq. ft.
 - 1 Acre = 4,840 sq. yds.
 - 1 Acre = 43,560 sq. ft.
 - 1 pt. = 16 oz.
 - 1 qt. = 32 oz.
 - 1 gal. = 128 oz.
 - 1 oz./1,000 = 2.72 pts./Acre
 - 1 gal./1,000 sq. ft. = 43.6 gal./Acre
- AREA:**
- Circumference of a circle $C = d \times 3.1416$
 - Dia. of a circle $D = c \times .3183$
 - Area of a circle $A = d^2 \times .7854$ or $A = r^2 \times 3.1416$
 - Area of a rectangle

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NEW FORE-PAR FLAG CAN BE CHANGED IN 5 SECONDS!

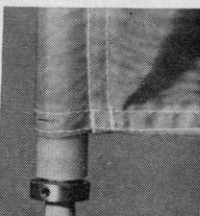
Looks Better, Lasts Longer



1. Remove nut and old flag.
2. Slip on new flag, replace nut.

THE SECRET?

A "built-in" tubular swivel, permanently constructed in each flag instead of grommets. Aluminum collar supplied by us easily converts ANY flagpole for this new "QUICK CHANGE" flag.



FORE-PAR'S new, smoothly rotating Flag makes all others obsolete. Usual FORE-PAR high quality 2-ply nylon with double row of **LOCK** stitches, reinforced corners and . . . **PERSONALIZED** with your Club Emblem at No Extra Cost.

FORE-PAR MANUFACTURING CO.

Foremost in Golf Course Equipment
P.O. Box 126, Laguna Beach, Calif. 92652
Area Code 714 494-5282

Write for brochure and supplier's name

Pat & Reg. Applied for

Weight it Out

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$$A = L \times W$$

Area of Triangle $A = \text{Base} \times \frac{1}{2} \text{ Perpendicular height}$

Area of Parallelogram

$$A = \text{Base} \times \text{Height}$$

Volume of tanks $V =$

$$d^2 \times L$$

Vol. of cylinder in gals.

$$V = d^2 \times L \times .0034$$

1 mile = 1,760 yds.

1 mile = 5,280 ft.

1 rod = 16½ ft.

1 Acre = 43,560 sq. ft.

1 sq ft. = 144 sq. in.

WEIGHT:

1 pound = 453.6 grams

1 long ton = 2240 pounds

1 oz./1,000 sq. ft. =

2.72 pounds/Acre

1 pound/1,000 sq ft. =

43.6 pounds/Acre

100 pounds/Acre =

2.3 pounds/1,000 sq. ft.

TEMPERATURE:

Cent. Temperature $\frac{5}{9}(F-32)$

Fahrenheit Temp. $\frac{9}{5}(C+32)$

FERTILIZERS:

Ammonium nitrate, ammonium sulphate, potassium chloride, sodium nitrate.

435#/A or 10#/1,000

110#/A or 2½#/1,000

Ground limestone, ground dolomitic limestone or potassium sulphate.

870#/A or 20#/1,000

280#/A or 6½#/1,000

Ammonium phosphate, mixed fertilizers (10-10-10), etc.

300#/A or 7#/1,000

50#/A or 18 oz./1,000

11#/A or 5 oz./1,000

Urea.

44#/A or 1#/1,000

Activated sewerage sludge or ureaform.

(50#/A or 15#/1,000

150#/A or 3½#/1,000

Hydrated lime

1,100#/A or 25#/1,000

220#/A or 5#/1,000

For more information circle number 208 on card