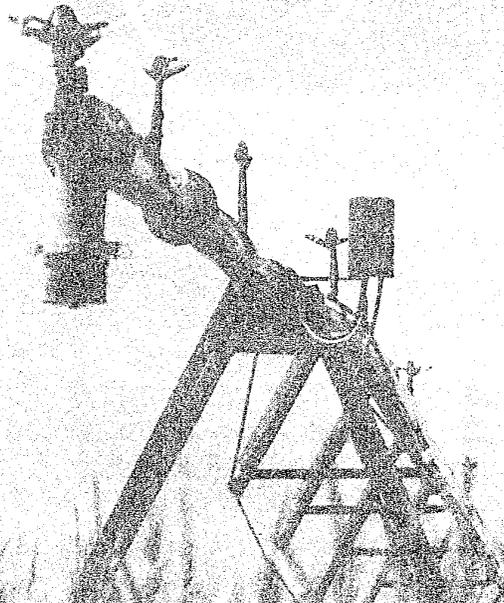


PIVOT PAK



**Rain Bird®  
Irrigation Systems**

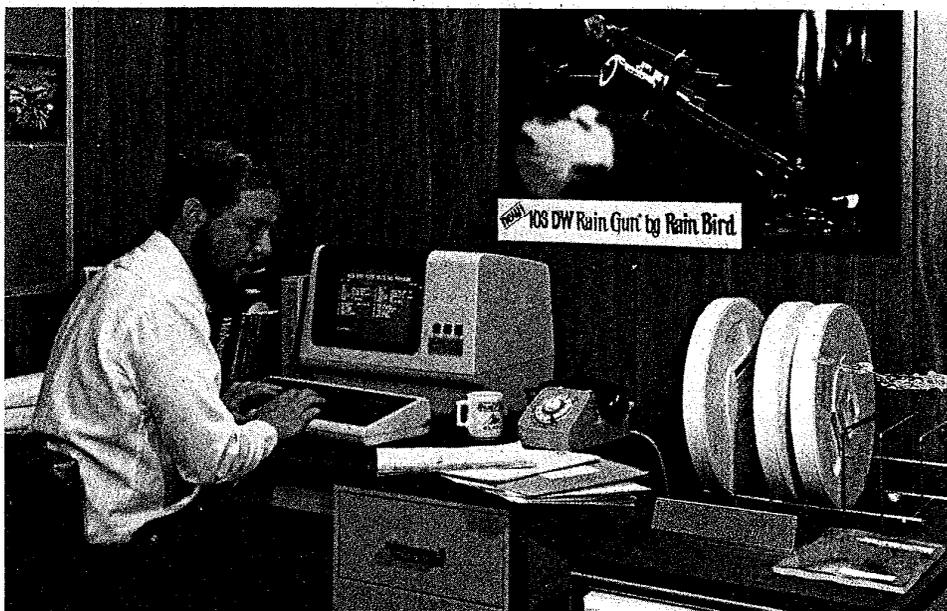
# Rain Bird and the Pivot Pak Sprinkler Systems

Pivot Pak™ sprinkler systems are ready now. No more guesswork. No more trial and error. No more time-consuming figures. Rain Bird has simplified it for you. You get all the benefits. Efficient water application. Rugged quality. Maximized performance. And, of course, the tradition of excellence which Rain Bird began in 1933.

Why are Pivot Pak systems best for you?

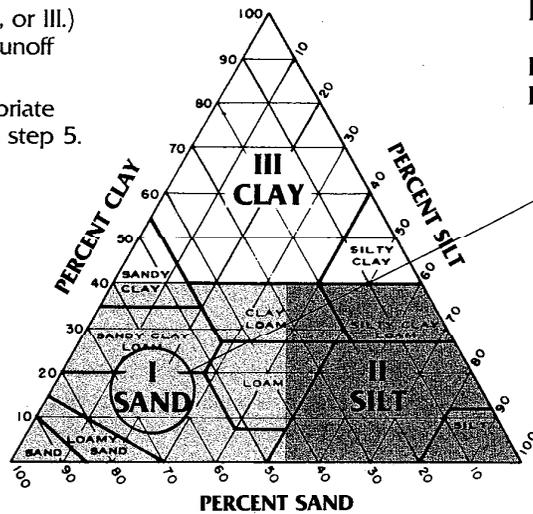
1. The selection of sprinklers available from Rain Bird is the broadest in the industry — in fact no one has any pivot package Rain Bird doesn't have. Because Rain Bird has all the choices they're not pushing one point of view. They let you choose what's best.
2. The Pivot Pak Selection Guide shows you **how** to choose the **most efficient** package that will fit your conditions. It is designed to minimize energy consumption and maximize use of your water.
3. Only Rain Bird gives the choice of a package with all the advantages of impact sprinklers and the ability to operate well at low pressures. That's possible only with controlled droplet size (CDS™) nozzles. No one else can say that because the CDS nozzle is patented. All Pivot Pak systems selected in the medium pressure range feature CDS nozzles.
4. Rain Bird pioneered the computer selection of sprinklers and nozzles for center pivots, and their computer is the most sophisticated and up-to-date available. Rain Bird gives accurate printouts and quick turnaround.

Just follow the five selection steps. They lead to the Pivot Pak systems specifically engineered for your field conditions. **Efficient Water Application starts here.**



## STEP 1: POTENTIAL RUNOFF INDEX

1. Find your field's soil description.
2. Identify the corresponding number (I, II, or III.)  
This number represents your potential runoff index.
3. Use this number to identify your appropriate Pivot Pak™ system selection triangle in step 5.



**EXAMPLE**

**RUNOFF DESCRIPTION ①**

## STEP 2: ENVIRONMENTAL INDEX

1. Locate your field's average wind speed.
2. Select your humidity condition. Arid or humid?  
Cloud cover. Clear, partly cloudy, or cloudy?
3. Follow the chosen alternatives across to a corresponding number (1, 2, 3 or 4.)
4. Use this number as your environmental index on your Pivot Pak system selection triangle.

**EXAMPLE**

**ENVIRONMENTAL INDEX ①**

WIND MPH	HUMIDITY	CLEAR	PARTLY CLOUDY	CLOUDY
6	ARID	2	2	1
6	HUMID	2	①	1
12	ARID	3	2	2
12	HUMID	3	2	2
18	ARID	4	3	2
18	HUMID	3	2	2

## STEP 3: CROP FACTOR

1. Use the Letter H for large, hardy crops such as corn.
2. Use the letter S for small, sensitive crops such as lettuce.
3. Use this letter as your crop factor on the Pivot Pak system selection triangle.

**EXAMPLE**

**CROP FACTOR ①H**

## STEP 4: PRESSURE INDEX

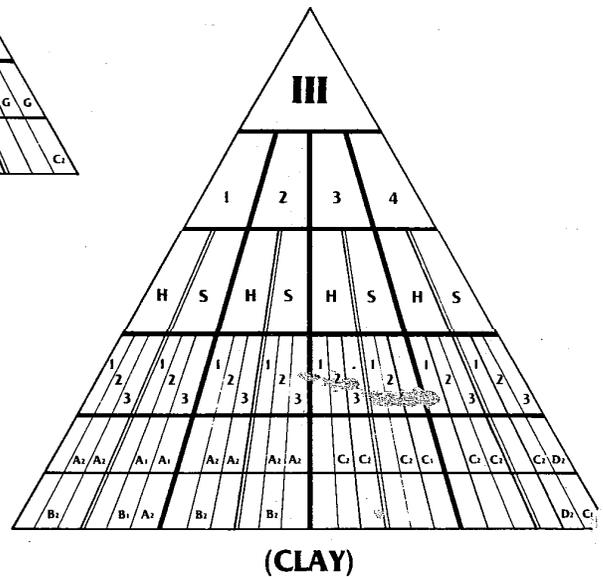
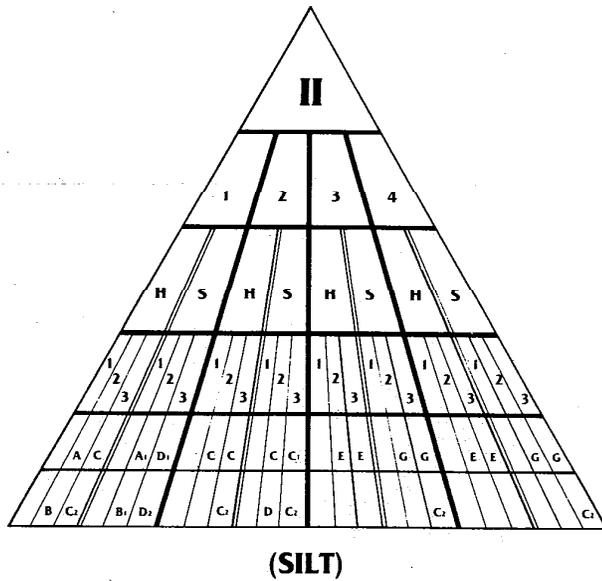
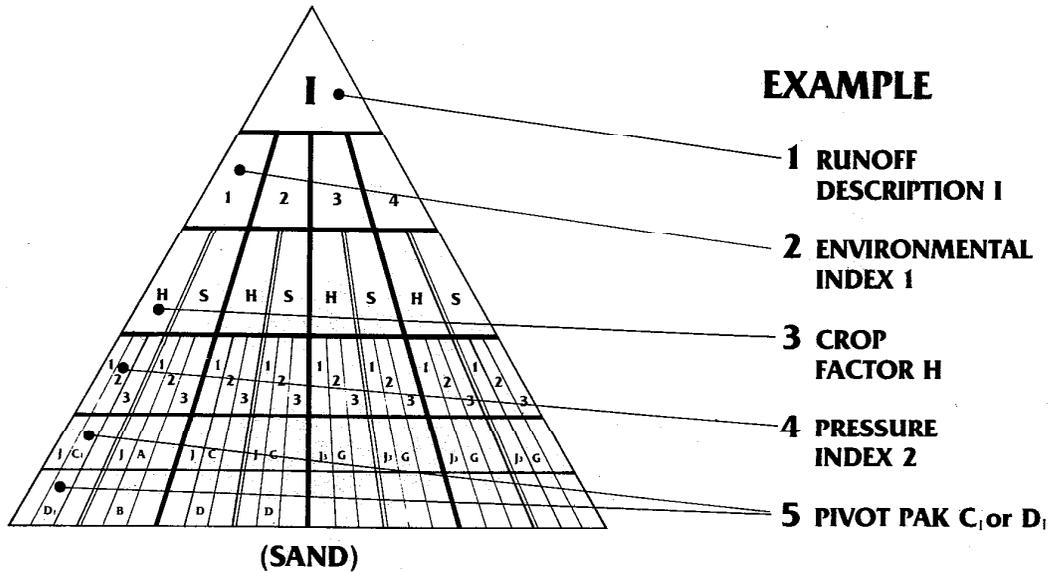
1. Use the number 1 for low pressure. (Less than 30 psi pivot pressure)
2. Use the number 2 for medium pressure. (30-50 psi pivot pressure)
3. Use the number 3 for high pressure. (More than 50 psi pivot pressure)
4. Use this number as your pressure choice on the Pivot Pak system selection triangle.

**EXAMPLE**

**PRESSURE INDEX ②**

# STEP 5: FOLLOW THE CHART

1. Follow the potential runoff number (I, II or III - selected in Step 1) down to the environmental index number (1, 2, 3 or 4 - Step 2) to the crop factor letter (H or S - Step 3) to the pressure number (1, 2 or 3 - Step 4.) These steps lead to the Pivot Pak™ sprinkler system that's best for your field.



Footnotes: 1. Denotes sprinkler spacing less than 20'    2. Denotes sprinkler spacing greater than 20'  
 3. Denotes use of drops on spacing less than 20'    Blank spaces represent conditions not recommended

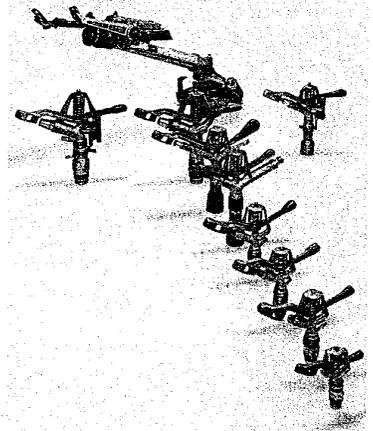
# Check Your Answer Here:

Rain Bird simplified the work. The myriad of sprinkler nozzle combinations have been optimized for your field. The problem has always been efficient water application. And now, Pivot Pak™ sprinkler systems are the best answer!

## SYSTEM

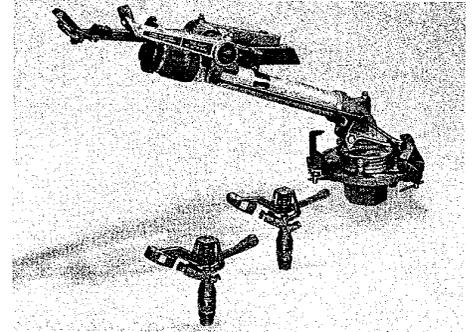
**Standard Angle Package** — A maximum throw system suitable for low to medium wind. An ideal performer for heavy or rolling soils. High angle (27°.) This system features a computer selected mix of Rain Bird sprinklers

including the 20JH, 30H, 30PSH, 70E, 70EW/ESP, 80E, 65D, 85E and 103DH end gun.



## SYSTEM

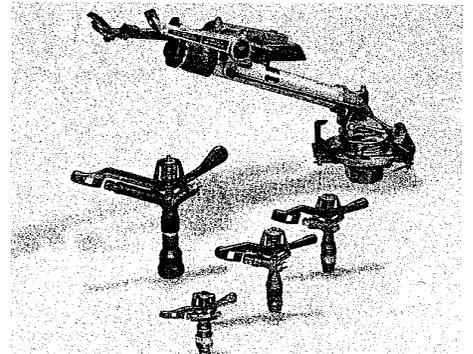
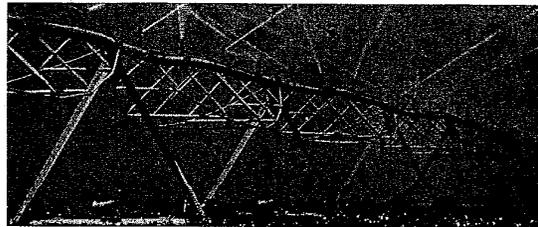
This system delivers maximized performance with an inventory bonus. Stock only one sprinkler to cover the close, variable spacing applications with low to medium wind conditions. High angle (27°.) This system features the hard-working Rain Bird sprinklers 30H, 30PSH and 103DH end gun.



## SYSTEM

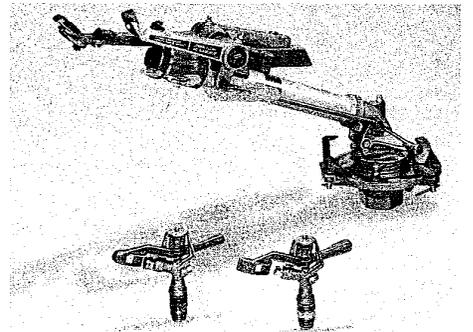
**AAT™ NOZZLE: Ascending Angle Package** — A maximum throw system which is suitable for medium to high wind areas. This system is an ideal performer with reduced application rate for heavy and rolling soils. Medium angle (10°, 17° and 21°.) This

system features a computer selected mix of Rain Bird sprinklers including the L2020, 30AH, 30APSH, 70C and 103DLW end gun.

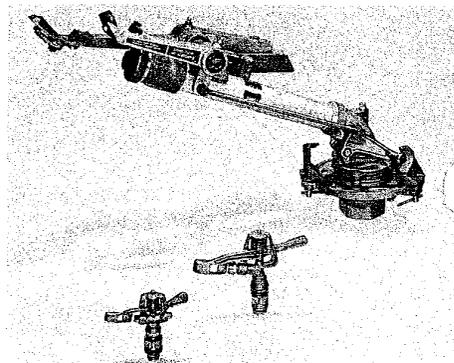


## SYSTEM

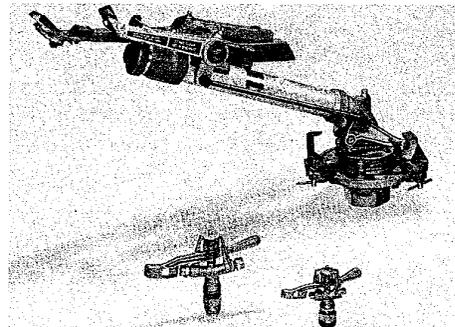
This system delivers maximized performance with an inventory bonus. Stock only one sprinkler to cover the close, variable spacing applications with medium to high wind conditions. Medium angle (17°.) This system features the hard-working Rain Bird sprinklers 30AH, 30APSH and 103DLW end gun.



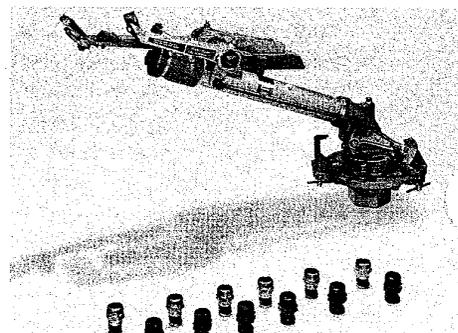
**SYSTEM LAPS<sup>1</sup>™ SINGLE NOZZLE** — In extremely adverse climatic conditions this system offers optimum performance. It applies water efficiently to light and medium soils. This system features single nozzle, low angle (10°) Rain Bird sprinklers including the L2020W, L30 and 103DLW end gun.



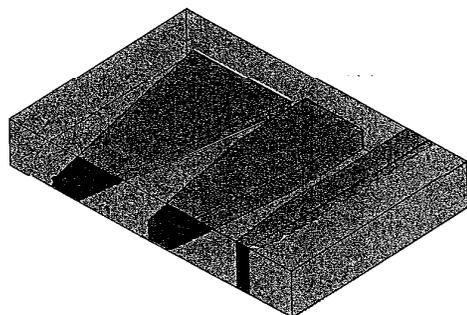
**SYSTEM LAPS/CDS** — This system is designed to deliver optimized performance at low pressures. Particularly suited for troublesome soils under moderate or severe climatic conditions. It is low angle CDS<sup>™</sup> with single nozzles. This Pivot Pak<sup>™</sup> system for variable spaced pivots features a computer selected mix of L2020, L3030 and the 103DLW end gun. (Also available as LAPS/CDS "U" where sprinklers are designed to run inverted on drops.)



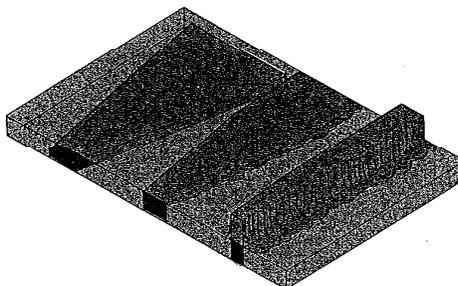
**SYSTEM 8X<sup>™</sup> NOZZLE** — This spray nozzle system delivers high instantaneous water application. It is an outstanding performer on sandy soils. The Pivot Pak J system features 8X spray nozzles and the 103DLW end gun. (8X available in brass or plastic housings.)



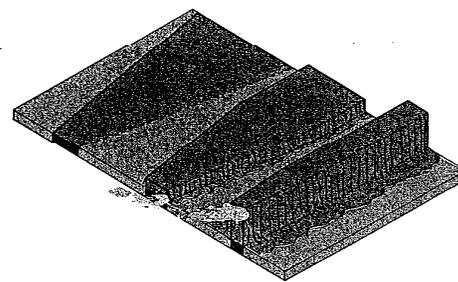
The Potential Runoff Index (PRI) represents the resistance of soils to accept irrigation water. A large PRI (for example III) indicates that the soil will accept water slowly and runoff is a potential problem. A low number (for example I) indicates the soil will accept water very rapidly. In the following illustration the brown layer represents the soil and its thickness is representative of its ability to accept irrigation water. This can be thought of as infiltration rate. The blue sectors represent the irrigation water; its height represents the application rate. If the application rate (blue) exceeds the infiltration rate (brown) a potential runoff condition exists. Rolling soils will accentuate the runoff.



PRI I



PRI II



PRI III

Rain Bird Western Sales Corporation, P.O. Box 37, Glendora, California 91740  
Rain Bird Eastern Sales Corporation, 1883 Massaro Blvd., Tampa, Florida 33619

© COPYRIGHT 1980 / RAIN BIRD SPRINKLER MFG. CORP.