

BIG GUN BULLETIN

VOL. 15, ISSUE 1

 **NELSON**

FALL 2001

JOIN THE NELSON TEAM ... WE'RE PART OF THE SOLUTION!

For many years our company's theme has been that **we develop products that help save water, save energy, and do a better job of irrigating**. It has been more than a theme, actually; it's been an obsession!

This past year has been a real challenge to irrigated agriculture the world over. We have experienced major droughts along with power shortages. Our dwindling supply of water has been put under intense environmental scrutiny. Here in the United States we are in the process of losing a lot of irrigated agriculture due to the Endangered Species Act. The cost of pumping water is rising at a rate that threatens the economic viability of irrigation. **Let's face it ... irrigated agriculture is under heavy attack.**

To those people in the world who do not understand where our food comes from, irrigation is perceived as a bad practice that is destroying the environment. Of course, we all know that this is not true, and it's high time that we start telling the world that we are part of the solution, not part of the problem.

Here at Nelson, we are refocusing our efforts to promote high-tech water application products that grow better crops with less water and less energy ... but with an added twist ... we are doing this for the betterment of our environment as well as for the bottom line of the farmer.

Bob Rupar, Vice-President, Marketing

A message from Nelson Irrigation



Bob Rupar, Vice-President, Marketing

WHAT'S NEW FOR ...

SOLID SET:

R2000WF Plates

TREE & VINE:

R2000 Plates

NURSERY & GREENHOUSE:

D10 Spray Plate

R10TG Rotator™

R2000WF Plates

TRAVELERS/PERMANENT SET:

SR75 Big Gun®

ALSO NEW ...

Whole Goods Price List

Merchandising Display



SUMMER SAVINGS PROGRAM

This past summer, Nelson Irrigation Corporation put together a Summer Savings Program for growers and dealers to take advantage of water & energy saving products at dollar saving prices. It's not just a good idea in the summer, it's a good idea all year 'round to keep conservation in mind. The threat is real and the need to save water, save energy, and do a better job of irrigating is no longer an option – it's a necessity. Nelson Irrigation is focused and very dedicated to doing things that improve the state-of-the-art of agricultural irrigation by making products that maximize efficiency and uniformity at lower pressure. Keep these water/energy savings products in mind:



FLOW CONTROL NOZZLE: "The Equalizer" for impact sprinklers on pipe and pivots.

R2000WF ROTATOR™ SPRINKLER: Uniformity Reigns! Coverage is KING!

SR75 END GUN: New! Low trajectory SR75 Big Gun® puts water in its place!

PIVOT GUN/CONTROL VALVE COMBO: No solenoid needed for this gun control!

S3000 SPINNER PACKAGE & REGULATORS: New Spinner Plate cuts through energy bills.

800 SERIES CONTROL VALVE: Save energy with efficiency. Half the pressure loss of other valves!

ACV200: Save your pump & your pipes! Get the air out!



NEW 2001 WHOLE GOODS PRICE LIST

Check out the new products and new price breaks available from Nelson Irrigation Corporation in the 2001 Whole Goods Price List dated October 1, 2001.

MERCHANDISING DISPLAY

Nelson merchandising displays for the nursery market, the pivot market, and the solid set market are now available. The display dimensions are 24" wide x 24" long x 60" high. The unit holds a 3-tiered literature rack and a variety of Nelson products. For example, the nursery display holds:

- 60 R2000WF Rotators
- 80 R10TG Rotators
- 80 S10 Spinners
- 50 D10 Sprays
- 30 MRDC (30 PSI)
- 30 Road Guards (High Angle)
- 450 Extra 2TN nozzles (9 different sizes)
- Assorted Literature

The list price for the nursery display including product is \$1867.70. Call your Nelson representative for details on the various merchandising displays.





NEW! R2000 PLATES

We are pleased to announce we have released for sale 5 new plate options for the R2000 Rotator. Each new plate expands the potential for application of the R2000. For example the 15° plates in bananas, tree nuts, or nurseries, or the 6° plate under vine or in cherries, or the new 9° plates for under tree irrigation of tree fruits. In each case the R2000 nearly always delivers higher uniformity than alternative impact sprinklers.

NEW! K4 6° Turquoise

Radius: 23-28 feet
Stream Height: 13-22 inches

NEW! K4 9° Purple

Radius: 24-29 feet
Stream Height: 21-31 inches

NEW! K4 15° Gold

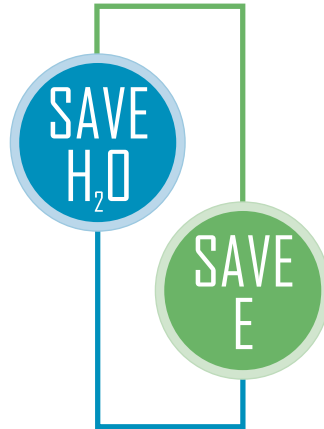
Radius: 29-33 feet
Stream Height: 31-43 inches

NEW! K5 9° Orange

Radius: 28-32 feet
Stream Height: 23-35 inches

NEW! K5 15° Tan

Radius: 31-34 feet
Stream Height: 32-41 inches



and do a better
job of irrigating



NEW! R2000WF PLATE

The R2000WF is now completing its 4th season on the market. Each year more and more growers and dealers discover that it is a tool that helps produce higher yields and quality because of its superior uniformity in field conditions. Its most common application is for irrigation of high value row crops with portable pipe. Remarkably its tough cylindrical shaped plastic construction is proving to be just as durable as brass impact sprinklers. Now we are pleased to announce a new Purple WF12 Plate and motor for use with smaller nozzles.

NEW! PURPLE WF12 PLATE

#11 Orange or #12 Purple Nozzle
Radius: 34 - 37 feet



R5 UPDATE

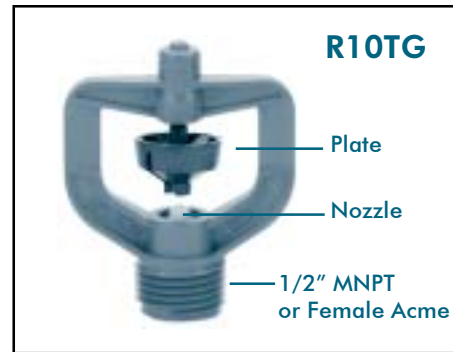
Over the past 6 years we have invested a large portion of our resources to develop the R5 Rotator. We are hoping to release it for sale in the spring of 2002. Its most unique feature is its long distance of throw. As a direct replacement for a spray jet or micro spinner it will convert most partial coverage irrigation systems to full coverage without a change in system flow or operating pressure. We are anticipating wide spread adoption of the R5 Rotator for irrigation of many crops including citrus, tree nuts, apples, vineyards, and stone fruits.



NEW! R10TG ROTATOR

The R10TG brings yet another innovative tool to achieve high uniformity irrigation of nursery crops. Its key feature is the slow rotation of Rotator technology that produces greater distances of throw. This allows coverage of wider spans than are possible with spinners. For example, a common application for the R10TG is in a 30 foot wide greenhouse using a single row of the R10TG, 5 feet apart, and mounted inverted down the center of the house about 10 feet off the ground.

For further details please refer to our Greenhouse Sprinklers and R10TG Rotator literature pieces. Upright mounting of the R10TG for irrigation of containerized plants is also an option. Please call us or visit our web site for a copy of the literature.



D10 SPRAY

We have completed a revision of the spray plate for our D10 spray to increase radius and uniformity. The pointed end has been replaced with a new flat surface with special circular grooves. The D10 spray is most commonly used for irrigation of containerized plants and for propagation where higher volumes are desired. Call us or visit our web site for a copy of the literature.



Patent Pending

MINI REGULATOR DRAIN CHECK

Crop yields are often reduced by those ugly yellow spots right around the sprinkler or by small skips in the germination of the crop. The new MRDC (Mini Regulator Drain Check) provides a solution to these problems. They simply do not open until line pressure reaches the operating pressure for the sprinkler. The drain check feature eliminates line drainage from the lowest heads on the line and prevents wash-out of seed beds from low pressure streams. In addition, because the MRDC is also a regulator, it eliminates variations in applied water between the start and end of irrigation pipe lines. These variations are a result of pressure variations common to many portable irrigation systems. The MRDC is another innovation from Nelson Irrigation that improves irrigation efficiency! Do your growers a favor ... tell them about this exciting new product.



75 SERIES BIG GUN®

NOW AVAILABLE IN PART CIRCLE (SR) AND FULL CIRCLE (F) MODELS



Proven Performance with added features:

- Low Pressure Performance
- Light Weight
- Economical

LOW-PRESSURE PERFORMER

Growers everywhere tell us they consider their Big Gun® to be a long term investment just like the pivot or traveler that the gun goes on. They want the proven dependability, performance, long wear life and repairability known from the Nelson SR series. Now, it becomes even more affordable, and performs better at low pressure to cut energy costs. The NEW! 75 Series Big Gun® offers solutions for irrigating with Quick Coupling Valves, Permanent Set or Travelers:

- Vegetable Crops
- Pastures
- Horse Arenas
- Athletic Fields
- Cemeteries
- Parks
- Effluent Irrigation



SR75 Trajectories:
18°, 21°, 24°, 27°,
43° and now 12°



75 SERIES BIG GUN® APPLICATIONS

1. PORTABLE MOVE. Make Portable Irrigation quicker and faster than ever before with the 75 Series and the Nelson 2" Quick Coupling Valve.

- Quick and easy to attach and detach
- Unique hydraulic assist to "power" the valve on and off
- Provides a rigid connection for the Big Gun®

2. TRAVELER or PIVOT. Operate at lower pressure on travelers and pivots with the SR75 Big Gun®

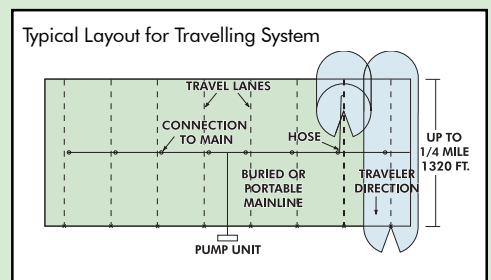
- Operate down to 25 PSI
- Flow Range from 30-160 GPM
- Connection options – 1 1/2" FNPT or FBSP, 2" FNPT or FBSP, ANSI/DIN Flange

3. PERMANENT SET. Irrigate in permanent set applications economically and effectively.

- Multiple trajectories available, including 43° Trajectory for Dust-Suppression Applications
- Precision Arc Control that does not creep over time.
- No adjustments needed.



2" Quick Coupling Valve (shown with SR100 and Solrain™ controls)



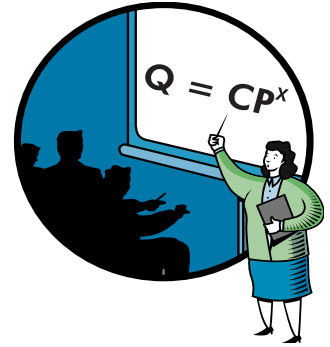
43° Big Gun Sprinkler used in Dust Suppression Application

SOFTWARE NEWS — NEW! OVERLAP V.2

If you are using Overlap version 1.18, **it is time to update to version 2.11**. Version 2.11 looks a lot like version 1.18, but has some new features and databases. Here is a list of a few:

1. Databases for new products like the R2000 Windfighter, the S10 Spinner, the R10TG, and the D10 Sprayhead. *Having new databases is necessary to keep you up-to-date.*
2. Wind test data for the R2000 Wind Fighter. *Now you can look at Overlap outputs generated with wind test data.*
3. Single Row Sprinkler Irrigation simulation. *This is important for greenhouse irrigation and other types of design.*
4. Print dialogue box. *This uses your Windows Print driver so you can select your printer more easily.*
5. Printable Distribution Profiles. *Now you will be able to print the profiles of individual sprinkler test profiles.*

All of this and more makes Overlap 2.11 the best version yet. Contact us to find out how to upgrade your Overlap to version 2.11. Contact Software Support at support@nelsonirrigation.com, or call (509) 525-7660, Etx.449.



SCHOOL SCHEDULE

12/11/01	Pivot School
12/12/01	Valve School
12/13/01	Orchard School
1/15/02	Orchard School
1/16/02	Valve School
1/17/02	Pivot School

Call 509.525.7660 or e-mail info@nelsonirrigation.com for more information.

NELSON WARRANTY AND DISCLAIMER ... WHAT YOU NEED TO KNOW

This is a message to all of our customers as a reminder that one of your obligations as a distributor of Nelson products is to pass the Nelson Warranty and Disclaimer on to your customers as part of the sale of Nelson Products. Our Warranty and Disclaimer statement is clearly printed on all of our literature, on our invoices, and is enclosed in our packages. Passing this information on to your customer is in the best interest of all of us. Thank you!

WARRANTY and DISCLAIMER

Nelson products are warranted for one year from date of original sale to be free of defective materials and workmanship when used within the working specifications for which the product was designed and under normal use and service. The manufacturer assumes no responsibility for installation, removal or unauthorized repair. The manufacturer's liability under this warranty is limited solely to replacement or repair of defective parts, and the manufacturer will not be liable for any crop or other consequential damages resulting from any defects in design or breach of warranty.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES AND OF ALL OTHER OBLIGATIONS OR LIABILITIES OF MANUFACTURER. No agent, employee or representative of the manufacturer has authority to waive, alter or add to the provisions of warranty, nor to make representations or warranty not contained herein.

 **NELSON IRRIGATION CORPORATION**
i n n o v a t i o n i n i r r i g a t i o n

