

**CLAIM OF
BENEFICIAL USE
for Surface Water Permits
claiming more than 0.1 cfs**



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.oregon.gov/OWRD

**A fee of \$230 must accompany this form for permits
with priority dates of July 9, 1987, or later.**

A separate form shall be completed for each permit.

In cases where a permit has been amended through the permit amendment process, a separate claim for the permit amendment is not required. Incorporate the permit amendment into the claim for the permit.

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at:
<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

Go to "Resources for Water Right Examiners (CWRE)" Page
<https://www.oregon.gov/OWRD/programs/WaterRights/COBU/Pages/default.aspx>

The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. **Every item must have a response.** If any requested information does not apply to the claim, insert "NA." **Do not delete or alter any section of this form unless directed by the form.** The Department may require the submittal of additional information from any water user or authorized agent.

"Section 8" of this form is intended to aid in the completion of this form and should not be submitted.

If you have questions regarding the completion of this form, please call 503-979-9103.

The Department has a program that allows it to enter into a voluntary agreement with an applicant for expedited services. Under such an agreement, the applicant pays the cost to hire additional staff that would not otherwise be available. This program means a certificate may be issued in about a month. For more information on this program see

<https://www.oregon.gov/OWRD/programs/WaterRights/RA/Pages/default.aspx>

**SECTION 1
GENERAL INFORMATION**

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1. File Information:

APPLICATION # S-88493	PERMIT # S-55166	PERMIT AMENDMENT # N/A
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2. Property Owner (current owner information):

APPLICANT/BUSINESS NAME William D. Leavens		PHONE NO. 541-840-7790	ADDITIONAL CONTACT NO. None
ADDRESS 8561 High Banks Road			
CITY Central Point	STATE OR	ZIP 97502	E-MAIL leavensb@landsrock.com

If the current property owner is not the permit holder of record, it is recommended that an assignment be filed with the Department. ***Each*** permit holder of record must sign this form.

3. Permit or holder of record (this may, or may not, be the current property owner):

PERMIT HOLDER OF RECORD William D. Leavens		
ADDRESS 8561 High Banks Road		
CITY Central Point	STATE OR	ZIP 97502

ADDITIONAL PERMIT HOLDER OF RECORD None		
ADDRESS		
CITY	STATE	ZIP

4. Date of Site Inspection:

8/6/2024

5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
William Leavens	8/6/24	Applicant

6. County:

Jackson

7. If any property described in the place of use of the permit final order is excluded from this report, identify the owner of record for that property (ORS 537.230(5)):

OWNER OF RECORD None		
ADDRESS		
CITY	STATE	ZIP

Add additional tables for owners of record as needed

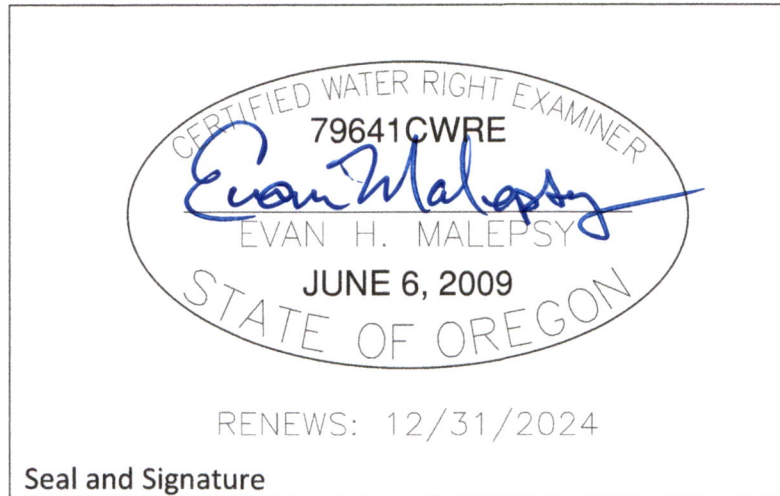
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**SECTION 2
SIGNATURES**

CWRE Statement, Seal and Signature

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.




CWRE NAME Evan Malepsy		PHONE NO. 541-621-2868	ADDITIONAL CONTACT NO. None
ADDRESS 52 Pineridge Lane			
CITY Eagle Point	STATE OR	ZIP 97524	E-MAIL emalepsy@roguecivil.com

Permit Holder of Record Signature or Acknowledgement

Each permit holder of record must sign this form in the space provided below.

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

SIGNATURE	PRINT OR TYPE NAME	TITLE	DATE
	WILLIAM D. LEAVENS	OWNER	12-5-24

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SECTION 3

CLAIM DESCRIPTION

1. Point of diversion name or number:

POINT OF DIVERSION (POD) NAME OR NUMBER (CORRESPOND TO MAP)
POD 2

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2. Point of diversion source and tributary:

POD NAME OR NUMBER	SOURCE	TRIBUTARY
POD 2	Lost Creek Reservoir	Rogue River

3. Developed use(s), period of use, and rate for each use:

POD NAME OR NUMBER	USES	IF IRRIGATION, LIST CROP TYPE	SEASON OR MONTHS WHEN WATER WAS USED	ACTUAL RATE OR VOLUME USED (CFS, GPM, OR AF)
POD 2	Irrigation	Grass	March 1-Nov. 30	397 GPM
Total Quantity of Water Used				397 GPM

4. Provide a general narrative description of the distribution works. This description must trace the water system from **each** point of diversion to the place of use:

Water is withdrawn from a pond on Tax lot 711 that is hydraulically connected to the Rogue River (source is Lost Creek Reservoir) via pump with 40HP motor. Water is supplied to the distribution system via buried main lines. Pivots and K-Line sprinklers are used to apply the water to the place of use.

Reminder: The map associated with this claim must identify the location of the point(s) of diversion, Donation Land Claims (DLC), Government Lots (GLOT), and Quarter-Quarters (QQ).

5. Variations:

Was the use developed differently from what was authorized by the permit, or permit amendment final order? If yes, describe below.

YES

(e.g. "The permit allowed three points of diversion. The water user only developed one of the points." or "The permit allowed 40.0 acres of irrigation. The water user only developed 10.0 acres.")

The permit allowed 14.55 acres of primary irrigation and 51.19 acres of supplemental irrigation. The water user only developed 4.21 acres of primary irrigation and 34.3 acres of supplemental irrigation.

6. Claim Summary:

POD NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
POD 2	197.22 AF	1.76 CFS	None	Irrigation	14.55 primary and 51.19 supplemental	4.21 primary and 34.3 supplemental

SECTION 4

SYSTEM DESCRIPTION

Are there multiple PODs?

NO

If "YES" you will need to copy and complete a separate Section 4 for each POD.

POD Name or Number this section describes (only needed if there is more than one):

POD 2

A. Place of Use

1. Is the right for municipal use?

NO

If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
36 S	2 W	WM	15	NW SW		45	Irrigation	3.51	6.55
36 S	2 W	WM	15	SW SW		45	Irrigation	0.70	2.81
36 S	2 W	WM	16	NE SE		45	Irrigation	0.00	1.54
36 S	2 W	WM	16	SE SE		45	Irrigation	0.00	22.58
36 S	2 W	WM	21	NE NE		45	Irrigation	0.00	0.82
Total Acres Irrigated								4.21	34.3

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (GLOT), Quarter Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, GLOT, and QQ.

B. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and apply the water from the point of diversion to the place of use.

1. Is a pump used?

YES

If "NO" items 2 through item 6 may be deleted.

2. Pump Information:

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Cornell	3WHA-40-2	SAP382A	Centrifugal	4"	3"

3. Motor Information:

MANUFACTURER	HORSEPOWER
Baldor	40

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4. Theoretical Pump Capacity:

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
40	45	1'	35'	1.76

5. Provide pump calculations:

See attached.

6. Measured Pump Capacity (using meter if meter was present and system was operating):

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
Not operating at time of inspection			

Reminder: For pump calculations use the reference information at the end of this document.

7. Is the distribution system piped?

YES

If "NO" items 8 through item 13 may be deleted.

8. Mainline Information:

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
6"	1,640'	PVC	Buried
4"	1,330'	PVC	Buried

9. Lateral or Handline Information:

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
1 1/4 "	1500'	K Pipe (flexible pipe)	Above

10. Sprinkler Information:

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
3 mm	45	2.77	35	35	0.216

Reminder: For sprinkler output determination use the reference information at the end of this document.

11. Drip Emitter Information:

SIZE	OPERATING PSI	EMITTER OUTPUT (GPM)	TOTAL NUMBER OF EMITTERS	MAXIMUM NUMBER USED	TOTAL EMITTER OUTPUT (CFS)
None					

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12. Drip Tape Information:

DRIPPER SPACING IN INCHES	GPM PER 100 FEET	TOTAL LENGTH OF TAPE	MAXIMUM LENGTH OF TAPE USED	TOTAL TAPE OUTPUT (CFS)	ADDITIONAL INFORMATION
None					

13. Pivot Information:

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
Valley	470'	18	150	0.334
Valley	490'	18	150	0.334

C. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)?

NO

If "NO", item 2 and 3 relating to this section may be deleted.

D. Gravity Flow Pipe

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM'S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the system involve a gravity flow pipe?

NO

E. Gravity Flow Canal or Ditch

(THE DEPARTMENT TYPICALLY USES MANNING'S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system?

NO

If "NO", items 2 through 4 relating to this section may be deleted.

F. Additional notes or comments related to the system:

None

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SECTION 5 CONDITIONS

All conditions contained in the permit, permit amendment, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. Time Limits:

Permits and any extension final orders contain any or all of the following dates: the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed use was to be completed. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit or permit extension of time:

	DATE FROM PERMIT	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	9/5/2018		
BEGIN CONSTRUCTION (A)	9/5/2023	6/22/23	Pivots, mainlines and laterals installed
COMPLETE CONSTRUCTION (B)	9/5/2023	8/21/23	Meter installed and system put in use
COMPLETE APPLICATION OF WATER (C)	9/5/2023	8/21/23	System put into full use and water applied to place of use

* MUST BE WITHIN PERIOD BETWEEN PERMIT OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETELY APPLY WATER

2. Is there an extension final order(s)?

NO

If "NO", items a and b relating to this section may be deleted.

a. Did the Extension Final Order require the submittal of Progress Reports?

NO

If "NO", item b relating to this section may be deleted.

3. Measurement Conditions:

a. Does the permit, permit amendment, or any extension final order require the installation of a meter or approved measuring device?

YES

If "NO", items b through f relating to this section may be deleted.

Reminder: If a meter or approved measuring device was required, the COBU map must indicate the location of the device in relation to the point of diversion.

b. Has a meter been installed?

YES

c. Meter Information

POD NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
POD 2	Seametrics	09212464	Working	295056 gal.	8/21/23

If a meter has been installed, items d through f relating to this section may be deleted.

4. Recording and reporting conditions:

a. Is the water user required to report the water use to the Department? **YES**

If "NO", item b relating to this section may be deleted.

b. Have the reports been submitted? **YES**

If the reports have not been submitted, attach a copy of the reports if available.

5. Fish Screening:

a. Are any points of diversion required to be screened to prevent fish from entering the point of diversion? **YES**

If "NO", items b through e relating to this section may be deleted.

Reminder: If fish screening devices were required, the COBU map must indicate their location in relation to the point of diversion.

b. Has the fish screening been installed? **NO**

c. When was the fish screening installed?

DATE	BY WHOM
NA	

Reminder: If the permit was issued on or after February 1, 2011, the fish screen is required to be approved by the Oregon Department of Fish and Wildlife regardless of the rate of diversion.

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d. If the diversion **involves a pump and the total** diversion rate of all rights at the point of diversion is less than 225 gpm (0.5 cfs) and the permit was issued prior to February 1, 2011:

- Has the self-certification form previously been submitted to the Department? **NA**

If not, go to <https://www.oregon.gov/OWRD/Forms/Pages/default.aspx> complete and attach a copy of the 'ODFW Small Pump Screen Self Certification' form to this claim, and send a copy of it to the Oregon Department of Fish and Wildlife (ODFW).

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. The ODFW self certification form needs to have been previously submitted or be attached to this form.

e. If the diversion does **not involve a pump or the total** diversion rate of all rights at the point of diversion is 225 gpm (0.5 cfs) or greater:

- Has the ODFW approval been previously submitted? **NA**

If not, contact and work with ODFW to ensure compliance. To demonstrate compliance, provide signed documentation from ODFW. A form is available at:

<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. In order to receive a favorable approval, the ODFW/WRD "Fish Screen Inspection" form needs to have been previously submitted or be attached to this form.

6. By-pass Devices:

a. Are any points of diversion required to have a by-pass device to prevent fish from entering the point of diversion?

YES

If "NO", items b and c relating to this section may be deleted.

Reminder: If by-pass devices were required, the COBU map must indicate their location in relation to the point of diversion.

b. Have by-pass devices been installed?

NO

c. Describe the diversion works as related to whether a by-pass device is installed or unnecessary:

(Provide a letter from ODFW indicating the device is approved or is unnecessary. If there is no letter from ODFW, explain whether or not a by-pass device is necessary.)

DESCRIPTION (E.G. "ODFW HAS APPROVED THE BY-PASS DEVICE" OR "NO BY-PASS DEVICE IS NECESSARY BECAUSE THERE IS A DIRECT DIVERSION FROM THE STREAM VIA A PUMP ON RIVER LEFT STREAM BANK WITH FOOT VALVE DESCENDING DIRECTLY INTO NATURAL POOL.") IN ADDITION, YOU MAY ATTACH PHOTOS TO THIS CLAIM.	IF INSTALLED (DATE)	IF INSTALLED, BY WHOM
ODFW has determined that fish screening and by-pass are not required. See attached letter		

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7. Other conditions required by permit, permit amendment final order, or extension final order:

- a. Was the water user required to restore the riparian area if it was disturbed? **YES**
- b. Was a fishway required? **NO**
- c. Was submittal of a water management and conservation plan required? **NO**
- d. Other conditions? **YES**

If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s):

- Riparian area was to be restored if disturbed. The riparian area was not disturbed during development of the POD.
- The water use is subject to the contract with the Bureau of Reclamation. The contract is currently in good standing.

SECTION 6

ATTACHMENTS

Provide a list of any additional documents you are attaching to this report:

ATTACHMENT NAME	DESCRIPTION
Claim Map	Claim of Beneficial Use Map
ODFW Letter	Letter from ODFW regarding fish screening and by-pass
Sprinkler Information	Performance Chart from manufacturer for sprinklers
Pump Calculation	Pump Capacity Calculation Printout

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SECTION 7

CLAIM OF BENEFICIAL USE MAP

The Claim of Beneficial Use Map must be submitted with this claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on poly film at a scale of 1" = 1320 feet, 1" = 400 feet, or the original full-size scale of the county assessor map for the location.

Provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

Aerial photos in conjunction with a site visit were used to prepare the map. Aerial photo source is Google Earth, dated 6/19/22. Jackson County GIS data was used to approximate property boundary lines.

Map Checklist

Please be sure that the map you submit includes ALL the items listed below.
(Reminder: Incomplete maps and/or claims may be returned.)

- ☒ Map on polyester film
- ☒ Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- ☒ Township, Range, Section, Donation Land Claims, and Government Lots
- ☒ If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- ☐ Locations of fish screens and/or fish by-pass devices in relationship to point of diversion
- ☒ Locations of meters and/or measuring devices in relationship to point of diversion or appropriation
- ☒ Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
- ☒ Point(s) of diversion or appropriation (illustrated and coordinates)
- ☒ Tax lot boundaries and numbers
- ☒ Source illustrated if surface water
- ☒ Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownership lines")
- ☒ Application and permit number or transfer number
- ☒ North arrow
- ☒ Legend
- ☒ CWRE stamp and signature

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Oregon

Tina Kotek, Governor

Department of Fish and Wildlife

Rogue Watershed District Office

1495 East Gregory Road

Central Point, OR 97502

(541) 826-8774

Fax (541) 826-8776

July 11, 2024

Permit Holder: Bill Leavens

PO Box 3127

Central Point, OR 97502

RE: Requirement of Fish Screening for S-55166

To whom it may concern,

The Oregon Department of Fish and Wildlife (ODFW) is submitting this letter regarding the fish screening and passage conditions contained in permit S-55166. The permit requires the water user to submit evidence in writing that ODFW has determined screens and/or passage devices are not necessary. ODFW is familiar with this situation and our understanding is that the water authorized under this certificate is NOT currently pumped out of the Rogue River. The pond where the water is pumped from is hydraulically connected to the Rogue River (through underground water exchange) but physically isolated from the Rogue and that pond does not contain Native Migratory Fish (NMF). Therefore, ODFW is not requiring fish screens for the pumps for this certificate while the current situation exists. If, for some reason, these conditions change, and water is pumped directly from the Rogue River fish screens will be required.

Please let me know if you need any additional information or have further questions.

Sincerely,

Peter Samarin

Rogue Assistant District Fisheries Biologist

Cc: Katherine Nordholm, Fish Screens and Passage Coordinator, ODFW Salem

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Pump Capacity Calculation Sheet - Leavens

using Department designed formula:

$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 40
Efficiency = 6.61
Lift = 36
PSI = 45

Results Calculated

(hp)(efficiency) = 264.4
Head based on psi = 114.3
Total dynamic head = 150.3
(head + lift)

Pump Capacity = 1.76 feet per second

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K-LINE® Troubleshooting Guide

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Symptom	Possible Cause / Solution
Partial or poor distribution from sprinkler	<ul style="list-style-type: none"> plugged nozzle - remove nozzle, check for obstruction. obstruction in tubing - remove hook cap and flush line improper pump pressure - check pump damaged tubing leaking water - make square cuts to remove the damage, install Straight Coupling. saddle improperly mounted on tubing - remove and mount according to pages 5 and 6, STEP 8
Pods rolling over during shifting	<ul style="list-style-type: none"> towing vehicle is too far from K-LINE® - keep less than 8 ft. from the pod line while shifting
Connectors coming loose	<ul style="list-style-type: none"> improper tightening of the K-LINE® connectors - cut off and discard 3 inches of old scarred tubing when repairing (make sure that you have a square cut), then use pipe wrenches to more firmly tighten the connectors - see page 7, STEP 10A. If this fails, replace fitting with new fitting with sharp edges.
Water Stream hits the inside of the pod	<ul style="list-style-type: none"> tapping saddle is improperly tightened down - reposition tapping saddle and tighten down evenly, see pages 5 and 6, STEP 8
Feed Line loop gets too tight	<ul style="list-style-type: none"> Feed Line needs to be repositioned - see page 8, "Repositioning the Feed Line" Feed Line is too short - add more tubing or narrow the width of the irrigated area
K.PIPE® tubing gets kinked	<ul style="list-style-type: none"> failure to reposition Feed Line - see page 9, "Repositioning the Feed Line" - shifting the K-LINE® without water running when temperatures are hot - straighten the kinked K.PIPE® tubing and use a rubber mallet to lightly pound the tubing back into shape

Performance Chart

Impact sprinkler nozzle options. Performance based on 50 ft. between sprinklers and a 50 ft. shift width. Sprinkler or shift spacings closer than 50 ft. will result in higher application rates.

Nozzle Color & Size	Operating Pressure	Output per Sprinkler (gal. per min.)	Total Water Required for 5 Sprinklers (gal. per min.)	Water Application Rate (inches / hour)	Total Applied Water in 24 hr. Set	Average Application Rate Per Week <small>Based on 8 Shifts with Continuous Running</small>
 Orange - 2.8mm	35 psi	2.20	11.00	0.075	1.80 in.	1.58 in.
	40 psi	2.30	11.5	0.079	1.90 in.	1.66 in.
	45 psi	2.42	12.10	0.083	2.00 in.	1.75 in.
 Red - 3.0mm	35 psi	2.54	12.70	0.087	2.09 in.	1.83 in.
	40 psi	2.63	13.15	0.091	2.18 in.	1.90 in.
	45 psi	2.77	13.85	0.094	2.26 in.	1.98 in.
 Black - 4.0mm	35 psi	4.24	21.20	0.146	3.50 in.	3.06 in.
	40 psi	4.39	21.95	0.150	3.60 in.	3.15 in.
	45 psi	4.61	23.05	0.157	3.77 in.	3.30 in.
The green and blue nozzles below are optional sprinkler nozzles available from a K-LINE® Dealer						
 Green - 3.2mm	35 psi	2.83	14.15	0.098	2.35 in.	2.06 in.
	40 psi	2.90	14.50	0.100	2.40 in.	2.10 in.
	45 psi	3.10	15.50	0.110	2.64 in.	2.31 in.
 Blue - 3.5mm	35 psi	3.27	16.35	0.110	2.64 in.	2.31 in.
	40 psi	3.39	16.95	0.118	2.83 in.	2.48 in.
	45 psi	3.58	17.90	0.122	2.93 in.	2.56 in.

Make nozzle selection based on desired application rate, water supply, and pressure availability. Optimal operating pressure for all nozzles is between 40 - 50 psi.