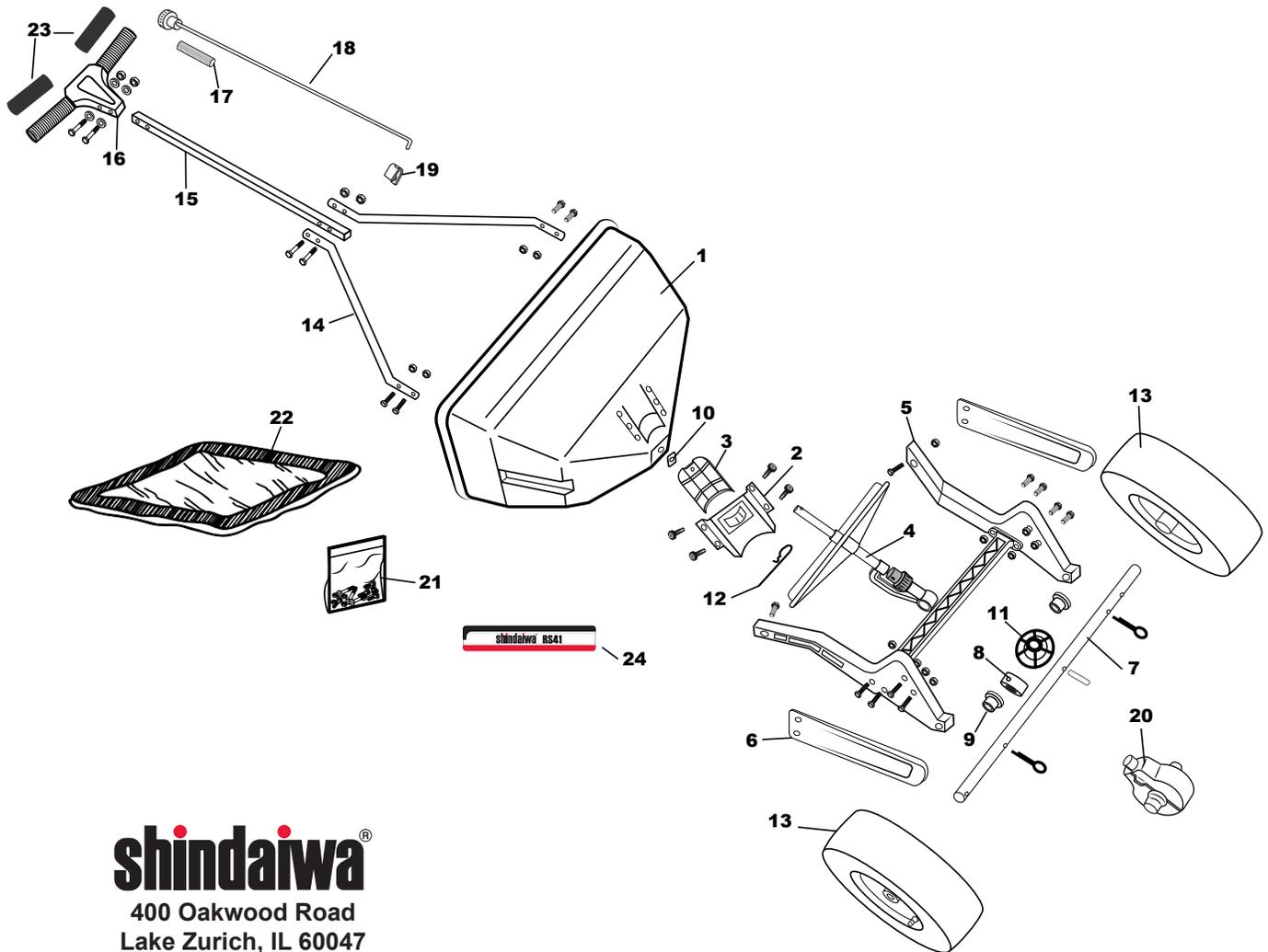


PARTS LIST FOR shindaiwa RS41



shindaiwa[®]

400 Oakwood Road
Lake Zurich, IL 60047

Phone 847 540-8400 / Fax 847-540-8416

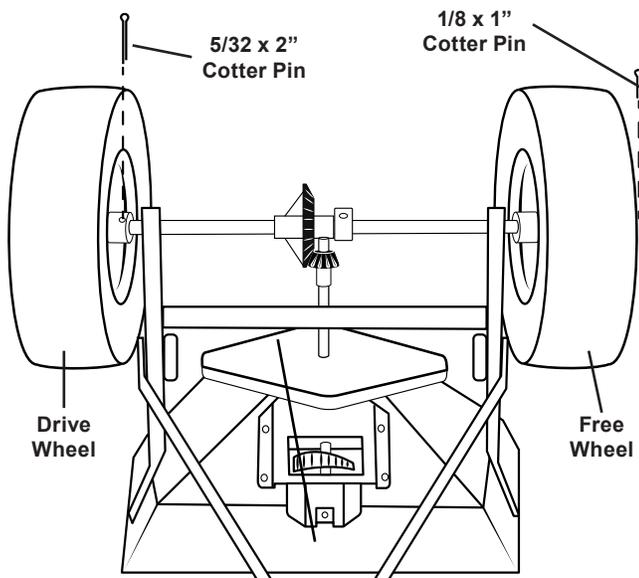
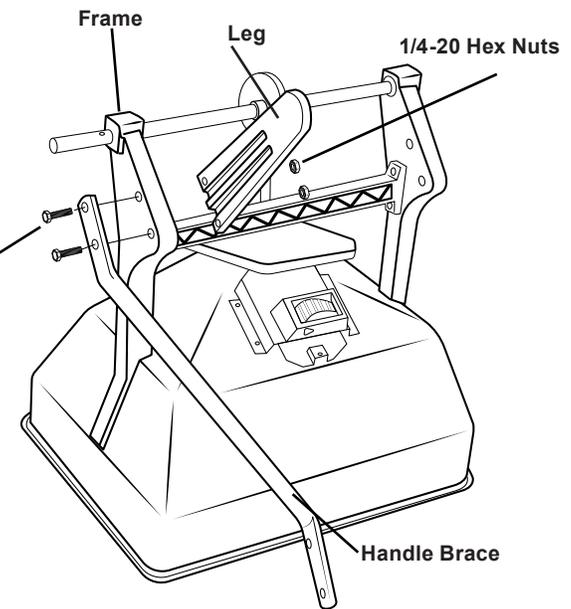
www.shindaiwa-usa.com

KEY	DESCRIPTION	PART #	KEY	DESCRIPTION	PART #
1	Hopper Ass'y-includes #2&3	P14508-1SH	13	Drive & Free Turning Wheel (2)	P14939-1
2	Rate Cam & Chute Assembly	P14455-1	14	Handle Braces (2)	P136131-03
3	Shutoff Plate	P14454-1	15	Handle Tube	P145132-03
4	Impeller Assembly	P15849	16	T-Handle Assembly	P13634-2
5	Frame Assembly	P15837	17	Control Knob Spring	P14462
6	Legs (2)	P136191-03	18	Control Knob & Wire Ass'y.	P146151
7	Axle	P15842	19	Wire Retaining Clip	P13643-1
8	Axle Collar	P14634	20	Gear Cover Assembly	P13623
9	Axle Bushings (2)	P14951	21	Fastener Package	P15880
10	Impeller Shaft Bearing	P15833	22	Hopper Cover	P15209
11	Axle Gear	P13625-1	23	Handle Grip (2)	P15264
12	Agitator	33117	24	Hopper Label	P16235

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ASSEMBLY INSTRUCTIONS

1. Remove the spreader and components from the carton. Turn spreader upside down. Insert (2) 1/4-20 x 1 1/2" hex bolts through the flattened end of handle brace, frame and leg as shown. Install hex nuts but do not tighten. Repeat on opposite side. Make sure braces are parallel and tighten all nuts

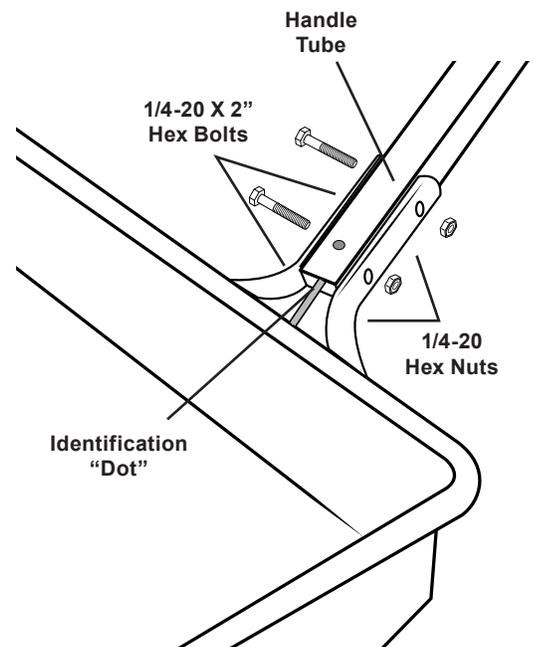


VIEWED FROM REAR OF SPREADER

2. Slide wheels onto axle with the longer portion of the wheel facing the frame. The wheels are identical to ease assembly. Secure free turning wheel with (1) 1/8 x 1" cotter pin and (1) 5/32 x 2" cotter pin on the drive wheel.

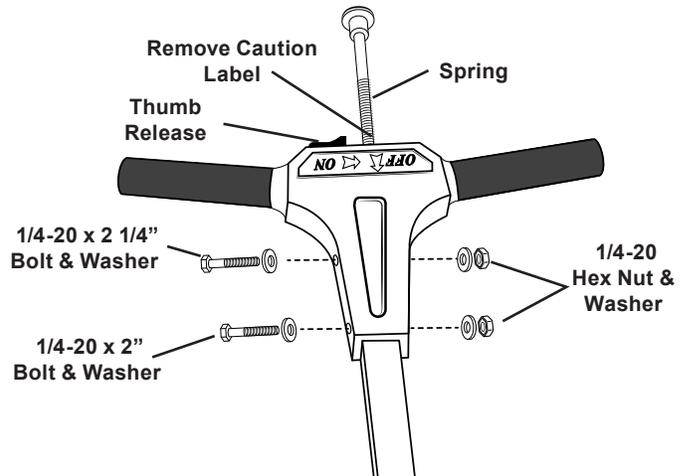
3. Turn spreader upright and install handle tube between braces with the identification "Dot" toward the hopper assembly. Secure with (2) 1/4-20 x 2" hex bolts and nuts. Tighten handle brace nuts installed in step 1.

NOTE: When installing the bolts, slide your finger inside the end of the handle shaft and press the control wire to the top of the handle shaft and hold, then install the bolts and release the control wire.



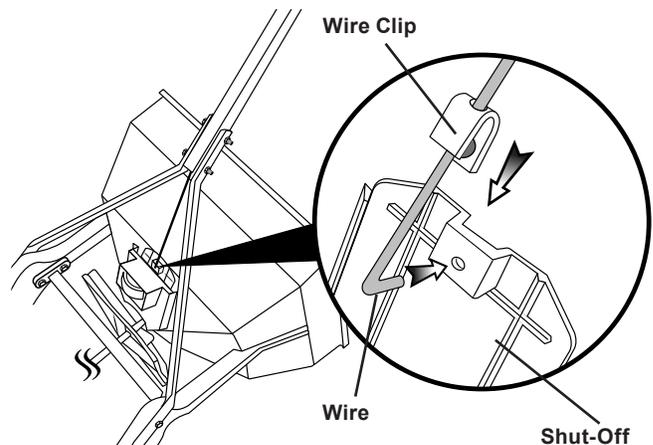
ASSEMBLY INSTRUCTIONS, *continued*

4. Feed control knob/wire through the T-handle until spring touches the round hole.
CAUTION: Do Not Compress Spring At This Time. Feed wire through the square handle tube. Be sure wire passes **above the bolts in the handle brace**. Secure T-handle to the tube with (1) 1/4-20 x 2" hex bolt. (2) washers, and (1) hex nut in the bottom hole, and (1) 1/4-20 x 2 1/4" hex bolt, (2) washers, and (1) hex nut in the top hole as shown. Remove caution label and push the thumb release toward the center and push down knob and shut-off spring until knob latches.

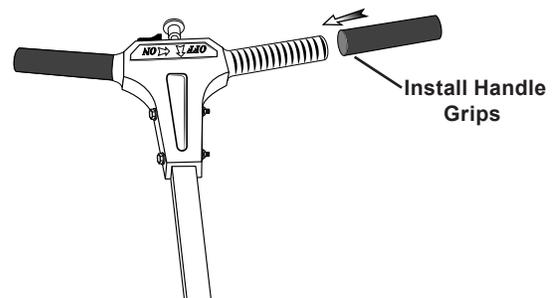
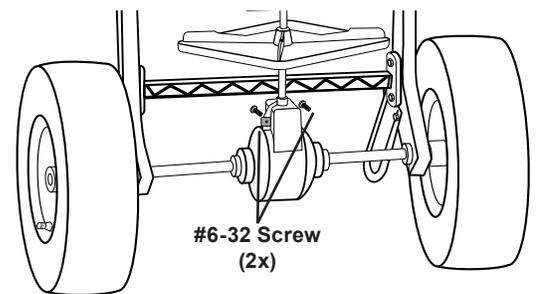


CAUTION: ONCE KNOB IS LATCHED, DO NOT MOVE THUMB RELEASE UNTIL YOU HAVE COMPLETED STEP #5.

5. Slide wire retaining clip onto wire as shown. Insert wire through hole shut-off plate. Slide wire retaining clip over shut-off plate and wire until the clip locks into place.



6. Install gear cover assembly over gears and secure with (2) #6-32 screws. The RS41 spreader should now be completely assembled and ready for use. Slide handle grips onto handle. Soapy water will ease installation. (Do not use petroleum based products.)



SPREADER OPERATION

1. Check the product package for the rate setting, and recommended swath width. Turn the spreader off by pushing the control knob in. Rotate the rate cam to the proper setting.

2. Always fill the spreader on the driveway or sidewalk-not on the lawn. Make sure spreader is in the "OFF" position. Empty after each use.

3. Start spreader moving, then open spreader by pushing the thumb release to the "ON" position. Always push spreader, never pull. Push knob down to close spreader.

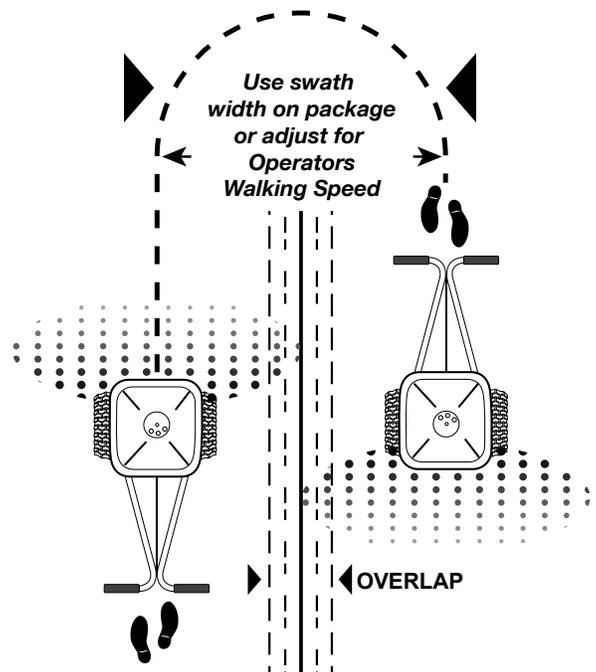
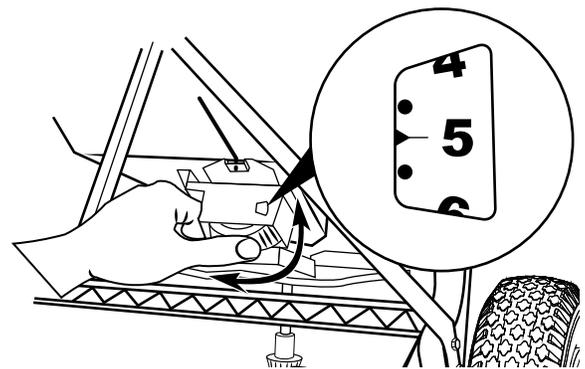
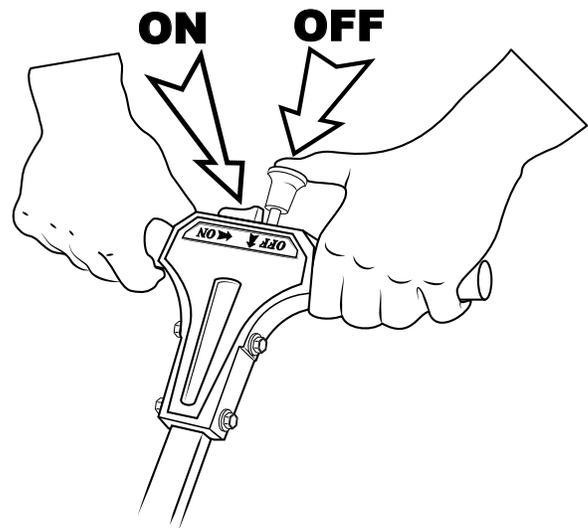
4. Hold handle so top of spreader is level. Tipping the spreader too far can cause uneven spreading.

5. The settings and swath widths on the product label are recommended starting points. Always check the delivery rate and pattern on a small area before treating a large area. Actual delivery rate can vary due to weather conditions, operating variables, and condition of the product being applied. See "HOW TO DETERMINE SPREADER SETTING AND SWATH WIDTH" for details.

6. Push spreader 3-1/2 m.p.h. (26 feet in 5 seconds) for full 8' to 10' spread pattern when applying fertilizer products. Apply header strips at each end of area to be treated then space trips across the area as shown.

7. Push spreader at 2-1/2 mph (18 feet in 5 seconds) to reduce width of spread when applying ice melt products to sidewalks.

8. Empty spreader after each use. Return leftover material to its original container.



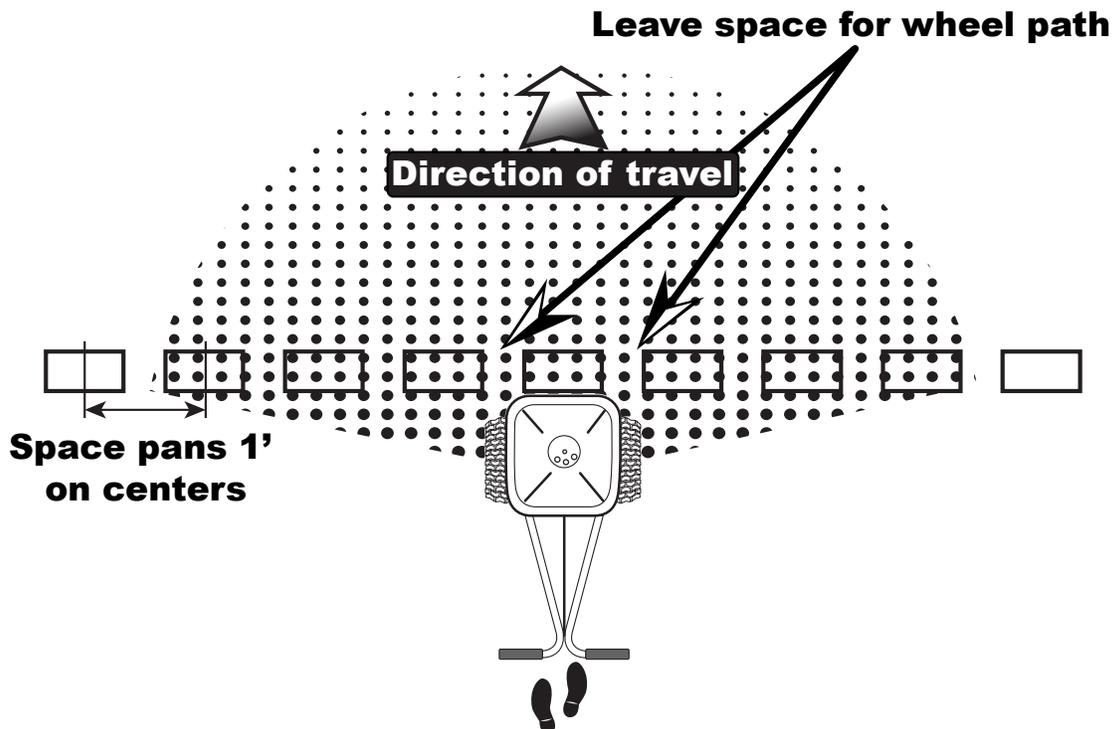
HOW TO DETERMINE SPREADER SETTINGS AND SPREAD WIDTH

Two major factors should be considered when determining correct spreader settings of any product:

1. The product application rate, or the amount of material applied per 1,000 square feet.
2. The effective pattern width, or the actual width in which material is applied. Label settings are a guide and can be affected by numerous factors.

EFFECTIVE PATTERN WIDTH

A simple visual pattern test can be made by operating the spreader over a non-turf area and evaluating the pattern. A more accurate method is to place a row of common, disposable, aluminum cake pans approximately 1 foot on centers. Set the rate cam at a middle setting and make 3 or 4 passes in the same direction as shown. Pour the material collected from each pan into individual bottles of the same size. Set them side by side in order, and visually inspect their volume. The effective pattern width is the distance out from the spreader to a point where the amount of material is $1/2$ the average amount in the center pans. This distance is multiplied by 2 to achieve the total effective pattern width.



APPLICATION RATE

Knowing the effective pattern width (for example, 10 feet), measure a distance equal to 100 square feet (10' x 10' swath width). Determine the product coverage in pounds / 100 sq. ft. by taking the weight of the product and dividing it by the recommended square foot coverage (add two zeroes to the weight of the bag).

EXAMPLE:

Product weight: **25 lbs.**
 Sq. ft. coverage: **5,000 sq. ft.**
 $2500 \text{ lbs.} \div 5,000 \text{ sq. ft.} = .5 \text{ lbs.} / 100 \text{ sq. ft.}$
 Weigh 15 to 20lbs. of material and spread over the 100 sq. ft. area. Weigh remaining material left in hopper and adjust rate setting as required. Repeat test until application rate is correct.

RATE SETTING CONVERSION

The following provides approximate **shindaiwa RS41** settings for those units listed.

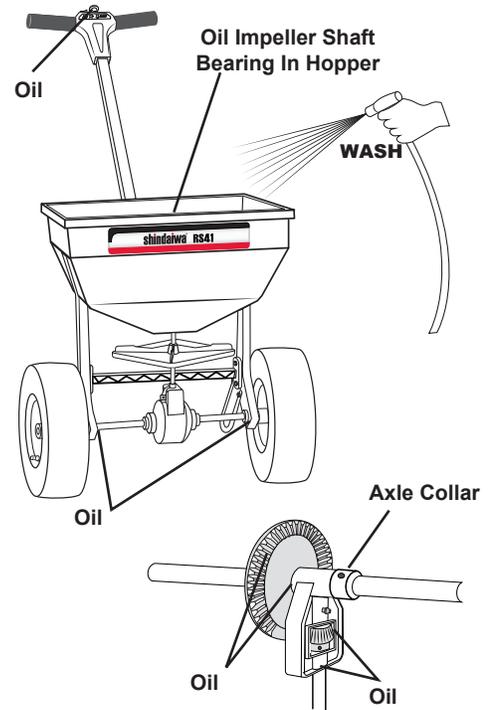
Brand/Model	Setting Rate																	
shindaiwa RS41	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Prizelawn® CBR IV/BF1 CBR III	E	I	K	M	O	R	W	Z	—	—	—	—	—	—	—	—	—	
<i>EarthWay</i>	10	—	15	17	19	22	26	30	—	—	—	—	—	—	—	—	—	
Spyker 76/78-2	4	—	5	6	7	8	9	10	—	—	—	—	—	—	—	—	—	
LESCO #029600	D	—	H	—	K	M	Q	S	—	—	—	—	—	—	—	—	—	
Scotts R8A/SR-1	G	K	M	O	Q	T	—	Z	—	—	—	—	—	—	—	—	—	
Scotts Speedy Green	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	

The following provides approximate **shindaiwa RS41** settings when only the product weight, square foot coverage, and visual inspection of the material is available.

FERTILIZER		BAG RATE Pounds of fertilizer used per 1,000 sq. ft. of coverage	APPROXIMATE SETTING	SPREAD WIDTH (IN FEET)
Large, heavy particles 		5	3 1/2	8
		10	4	8
		15	4 1/2	8
Medium, mixed particles 		5	2 1/2	8
		10	3 1/2	8
		15	4	8
Small particles (Nitrogen) 		1	2	8
		2	2 1/2	8
		3	3	8
Mixed size particles Some fines 		5	3	6
		10	3 1/2	6
		15	4	6
Lightweight particles 		5	2	4
		10	2 1/2	To
		15	3	6

MAINTENANCE INSTRUCTIONS

1. Never store unused material in spreader. Return unused product to its original container.
2. Wash spreader thoroughly after each use and dry completely in sun or heated area.
3. Oil the axle bearings, impeller shaft bearing in hopper, control knob in T-handle.
4. Remove gear cover and wash gears thoroughly. Oil all bearing areas and face of gear teeth. Re-install gear cover.
5. Gear mesh should be checked on a regular basis during high use periods. Clearance between the axle gear and pinion gear should be minimal but not tight. If adjustment is necessary, loosen axle collar set screw and hold gears together. Slide axle collar against the gear support and tighten axle collar set screw. Spin drive wheel. Gears should run freely and smoothly.
6. Impeller surface should be cleaned periodically to remove build-up of product. Build-up can cause the spread pattern to change.
7. Tire pressure should be 20-25 PSI.



shindaiwa LIMITED WARRANTY

Shindaiwa manufactures its products to superior quality standards of quality to ensure customers obtain the highest level of satisfaction. In keeping with this goal, Shindaiwa warrants the unit to the original purchaser as follows:

Warranty Period

Two years from the delivery date to the original purchaser for consumer and commercial applications, 90 days for rental applications.

Warranty Administration

Within the covered warranty period, Shindaiwa will, at their option, repair or replace any defect in material or workmanship, without charge for parts or labor, if this product is presented at an authorized Shindaiwa dealer.

Warranty Exclusions and Limitations

Shindaiwa Inc. assumes no responsibility for damages, loss, or injury resulting from:

- Normal wear and tear.
- Misuse or neglect.
- Modification to or removal of original component parts.

The warranty is limited to the terms stated herein. Shindaiwa disclaims all liability for incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so these limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state. Shindaiwa reserves the right to change the design or specifications of this product without obligation to modify previously manufactured products.

Owner's Responsibilities

The owner of the unit must demonstrate reasonable care in the use, maintenance, and storage of this Shindaiwa product. If a warrantable failure should occur, the owner must deliver the product to an authorized Shindaiwa servicing dealer for correction. All residual chemicals must be removed from the hopper prior to delivery.

Unidentified chemicals left in tank can pose a serious health threat to anyone servicing the unit and unaware of its presence!

To obtain warranty service, proof of purchase must be presented to the authorized Shindaiwa servicing dealer when the product is presented for repairs.

Proof of purchase must include date of purchase and the name and address of the selling dealer.

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CONTACT INFORMATION

shindaiwa®

shindaiwa® PRODUCT REGISTRATION CARD : TARJETA DE REGISTRO : CARTE D'ENREGISTREMENT DU PRODUIT

Mail form to:
ECHO Inc., Product Registration,
PO Box 1139, Lake Zurich IL 60047.

Enviar formulario a:
ECHO Inc., Product Registration,
PO Box 1139, Lake Zurich IL 60047.

Poster le formulaire à l'adresse suivante:
ECHO Inc., Product Registration,
PO Box 1139, Lake Zurich IL 60047.

Please Print : Por Favor Enscriba Con Letra De Molde : En Lettre Carré S.V.P.

Confidential: Information provided will not be shared or sold

Purchaser's Name : Nombre del Comprador : Nom de l'acheteur

Address : Dirección : Adresse

City : Ciudad : Ville

State : Estado :
Province

Zip Code : Código Postal : Code Postal

E-Mail Address : Dirección De Correo Electrónico : Courrier Électronique

Phone Number : Número De Teléfono : Téléphone

Date of Purchase : Fecha de la Compra :
Date de l'achat

Where Purchased : Nombre del Almacén donde fue Comprado : Lieu d'achat

Model Number : Numero del Modelo : No. de modéle

Primary use of tool: Professional Homeowner Rental Equip.
Uso primario de la herramienta: Profesional Dueño de casa Alquiler
Usage principal : Professionnel Residential Location

Do you wish to receive periodic Shindaiwa product information and special offers by e-mail? Yes No

¿Desea usted recibir información periódica y ofertas especiales por correo electrónico sobre el producto Shindaiwa? Yes No

Souhaitez-vous recevoir périodiquement de l'information sur les produits Shindaiwa et les offres spéciales par courrier électronique ? Oui Non

Did you visit the Shindaiwa website before purchasing your product? Yes No

Visitó usted la pagina web Shindaiwa antes de comprar su producto? Si No

Avez-vous visité le site d'Shindaiwa avant de procurer votre produit? Oui Non

What factor(s) most influenced your purchase?

Performance Price Dealer
 Reliability Prior Experience Quality
 Friend/Family Brand Warranty

¿Qué factor(es) influyó más en su compra?

Funcionamiento Precio Distribuidor
 Confiabilidad Experiencia Anterior Calidad
 Amigo/Familia Marca Garantía

Quel facteur (facteurs) vous a influencé le plus?

Performance Prix Marchand
 Fiabilité Expérience Qualité
 Ami/Famille Marque Garantie

Registering your purchase enables us to contact you in the unlikely event of a service update or product recall and verifies your ownership in the event of loss. : El registrar su compra nos permite estar en contacto con usted en caso de cualquier evento como el aviso de tiempo de servicio o la revocación del producto y verificación de propiedad en caso de robo o pérdida. : L'enregistrement de votre achat nous permettra de vous contacter dans le cas improbable de modifications des instructions d'entretien ou de rappel du produit et vérifier que vous êtes le propriétaire en cas de vol ou de perte.

1.877.986.7783

www.shindaiwa-usa.com

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