



<b>TECH NOTE:</b>	<b>09-015</b>
<b>TITLE:</b>	<b>Temp Response™ Set Up</b>
<b>DATE:</b>	<b>12/3/09</b>

This document describes the set up and operation of the *Temp Response™* function in *SpreadSmart Rx™* and *SpreadSmart RDS™*. This information is also in the product manual.

### Temp Response™ Prescription Set Up – for each material type

For any material type, you can also create up to four *Temp Response™* prescriptions to automatically change spreading rates as a function of road temperature. The user, for their local conditions, determines the actual temperature/spreading rate relationship. *Temp Response™* prescriptions can be run for one material (salt) or for combinations (salt and pre-wet), but each is configured individually. English or Metric units are shown based on the system setup choice.

To set a temperature controlled, granular spreading prescription, enter configuration menu by simultaneously holding the auger and pre-wet switches down to enter the “configuration screen.” Enter your password using the spinner controls to change the digits, and the blast/pass controls to change cursor positions. Run the cursor past the end of the password to enter setup mode.

Configuration	Setup
Setup Wizard           Advanced System Setup           Set Clock Trim/Cal                Reset All → Materials             Save and Exit	→ 1) SALT                6) 7) 8) 9) 10)
<BLAST>=done <SPIN+/->=sel <PASS>=next	<BLAST>=done <SPIN+/->=sel <PASS>=next

Scroll down to Prescription, Use “Anti-Ice” paddle to select Prescription RX1- RX4. Incomplete prescriptions are listed as “undefined.” Up to four prescriptions are can be created for each media type (Granular = 4; Pre-Wet =4; Anti-Ice = 4).

Granular Material (page 1/2)	Granular Material (page 1/2)
→ Name: [SALT ] Min. Rate: 0/MILE Max. Rate: 900/MILE Blast Rate: 1200/MILE Prescription: OFF	Name: [SALT ] Min. Rate: RX1/MILE Max. Rate: RX1/MILE Blast Rate: 1200/MILE → Prescription: RX1 !Not Defined!
<SPIN+/->=sel <ICE+/->=adj <BLAST>=done	<SPIN+/->=sel <ICE+/->=adj <BLAST>=done

Change the Prescription from off to Rx1 and hit pass to enter values for prescription RX1:

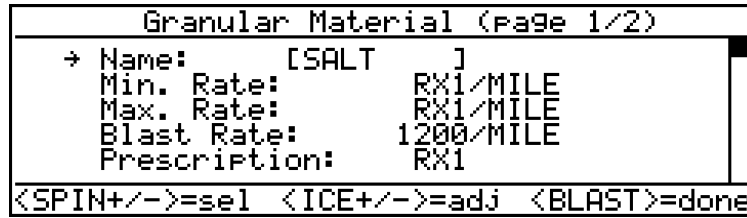
TEMP Prescription Granular 1	TEMP Prescription Granular 1
→ High Temp: 0°   Rate: 0 Medium Temp: 0°   Rate: 0 M. Low Temp: 0°   Rate: 0 Low Temp: 0°      Rate: 0	→ High Temp: 35°   Rate: 200 Medium Temp: 32°   Rate: 300 M. Low Temp: 29°   Rate: 350 Low Temp: 25°      Rate: 400 Rate: 500
<SPIN+/->=sel <ICE+/->=adj <BLAST>=done	<SPIN+/->=sel <ICE+/->=adj <BLAST>=done

In this example, the prescription has been set as follows:

Temperature Range (F)	Salt Spread Rate
Above 35 degrees	200 (lbs/mile)
34-32 degrees	300 (lbs/mile)
31-29 degrees	350 (lbs/mile)
28-25 degrees	400 (lbs/mile)
Below 25 degrees	500 (lbs/mile)

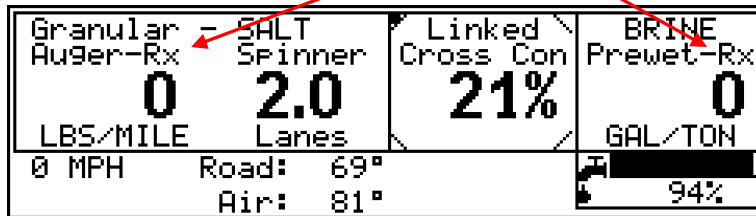
(Note: these rates are for illustration only and are not process recommendations).

Select “blast” and return to the Granular material screen to confirm prescription is set:

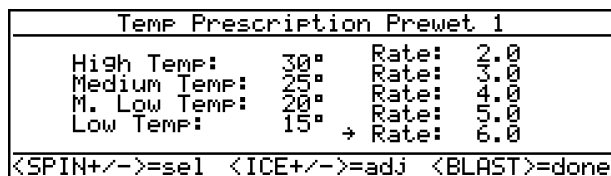
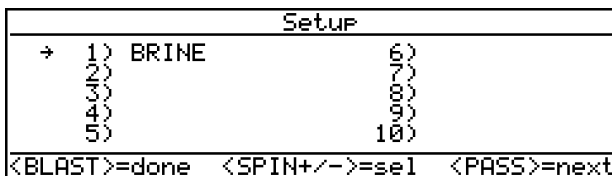
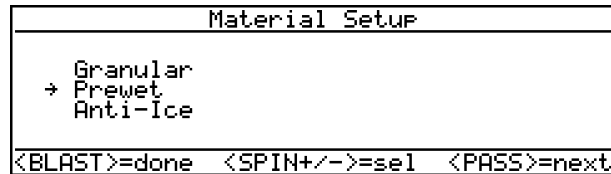
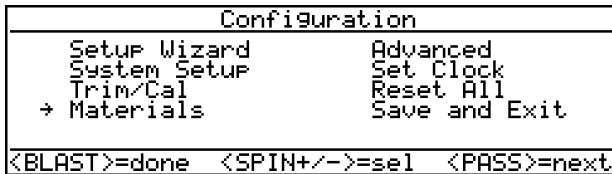


Your prescription for your granular material named “salt” is now set. To set another granular material, choose name #2-10, select Prescription RX2-4 and repeat the process.

When operating the SpreadSmart Rx or RDS, the letters **Rx** is added to the display to show that *Temp Response*™ is controlling the granular and pre-wet spreading rate.



**For Pre-Wet or Anti-Ice prescription setting**, choose one of those “materials” and begin the naming and prescription setting process as above. Because the distribution rate varies with material, a prescription must be set individually for each.



In this example, the prescription has been set as follows:

Temperature Range (F)	Liquid Rate
Above 30 degrees	2.0 (gal/ton)
29-25 degrees	3.0 (gal/ton)
24-20 degrees	4.0 (gal/ton)
19-15 degrees	5.0 (gal/ton)
Below 15 degrees	6.0 (gal/ton)

(note: these rates are for illustration only and are not process recommendations).