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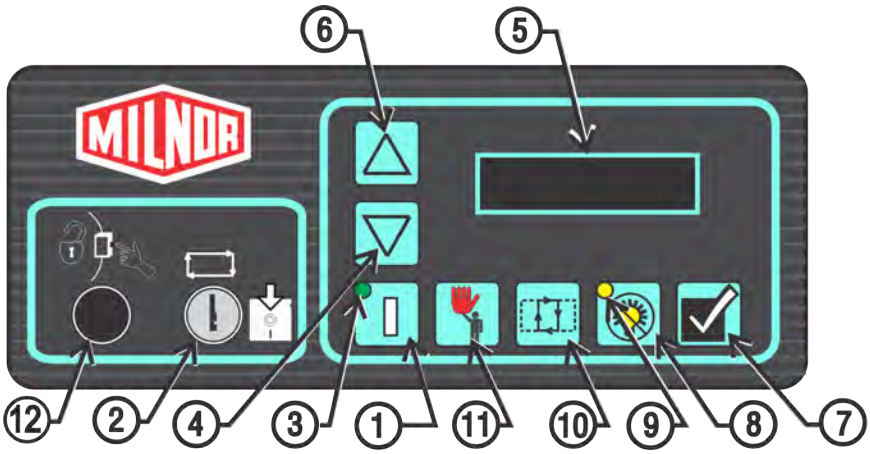
Edition (ECN): 2019314

Wash Formulas
RinSave® E-P Plus®



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Contents

Figures

Tables

1 Overview of Wash Formulas

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1.1 About This Manual

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1.1.1 Scope

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This manual documents the default formulas provided in Milnor® washer extractors equipped with the Milnor E-P Plus® microprocessor control. See the reference manual for operating, programming, and troubleshooting instructions. See the installation manual for information on machine installation procedures and mechanical requirements. See the service manual for preventive maintenance, service procedures, and mechanical parts identification. See the schematic manual for electrical parts identification and electrical troubleshooting instructions.

1.1.2 The Normal Display at Start-up

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The start-up display sequence for models using the E-P Plus controller is described in the related section in document BNCJHO01.

1.1.3 If this Manual Does Not Have the Necessary Data

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This manual has the best data that was available when your machine was made. If you cannot find the necessary data:

- **Are you looking for data about a component not made by Milnor® but used on your machine—for example, a motor or a brake caliper?** We usually do not put the instructions of component manufacturers in Milnor® manuals. You can find some of these instructions in the part of the Milnor® website that gives maintenance data (http://milnortechnicalsupport.force.com/pkbmilnor/). You can also find instructions for many components on the manufacturers' websites.
- **Are you looking for data about a Milnor® component on your machine that this manual does not give?** If we get better data or more data after the manual is available, we will add it to a newer version of the manual. Speak with the Milnor® Customer Support group. They can give you newer instructions if they are available or help you if not.

1.1.4 Trademarks

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These words are trademarks of Pellerin Milnor Corporation and other entities:

Table 1. Trademarks

AutoSpot™	GreenFlex™	MilMetrix®	PulseFlow®
CBW®	GreenTurn™	MilTouch™	RecircONE®
E-P Express®	Hydro-cushion™	MilTouch-EX™	RinSave®
E-P OneTouch®	Mentor®	Miltrac™	SmoothCoil™
E-P Plus®	Mildata®	PBW™	Staph Guard®
Gear Guardian®	Milnor®		

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1.2 Summary of E-P Plus® Configurations and Formulas

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1.2.1 Available Software Configurations

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Washer-extractors with the E-P Plus controller are programmed at the factory to contain default formulas which are always available in the machine. These default formulas can be loaded into the machine's memory, modified, and deleted according to procedures described in the reference manual for this machine. However, a copy of the default formula set as prepared by the Milnor® factory is always retained and available for replacing the modified formulas if necessary.

Each E-P Plus machine can be configured for one of the industries listed in Table 2: Software Configuration for Industries, page 6 . This configuration is accomplished by setting a DIP switch on the microprocessor controller to a specific setting for the desired industry. Complete detailed instructions for configuring your E-P Plus® washer-extractor can be found in the reference manual for your machine.

Table 2. Software Configuration for Industries

Available Industry Configurations	
Athletic Laundry	Shirt Laundry
Correctional Laundry	Commercial Laundry
Hotel-Motel Laundry	Offshore Laundry
Healthcare Laundry	Gear Guardian (fire department use)
Restaurant Laundry	

1.2.2 Formulas Available in Each Configuration

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The tables below list the specific default formulas available in each industry configuration of the E-P Plus controller. Detailed descriptions of each formula, including step times and chemical injections, are elsewhere in this manual; see the table of contents.

Table 3. Athletic Laundry Formulas

Formula Number	Application	Formula Number	Application
1	Standard Wash	6	Light Soil
2	Towels	7	Cold Wash
3	Athletic Uniforms	8	Multi-flush
4	Socks and T-shirts	9	Stain Soak
5	Floor Mops	10	Quick Wash

Table 4. Correctional Laundry Formulas

Formula Number	Application	Formula Number	Application
1	Standard Wash	6	Personal Clothing (Color)
2	Personal Clothing (White)	7	Infirmary
3	Bed Linen/Towels	8	Food Service/Aprons/Wipes/Mops
4	Uniforms	9	Stain Soak
5	Blankets	10	Quick Wash

Table 5. Hotel-Motel Laundry Formulas

Formula Number	Application	Formula Number	Application
1	Standard Wash	6	Colored Table Linens
2	Sheets	7	White Table Linens and Kitchen Articles
3	Pillowcases	8	Multi-flush
4	Towels and Uniforms	9	Stain Soak
5	Bedspreads and Blankets	10	Quick Wash

Table 6. Healthcare Laundry Formulas

Formula Number	Application	Formula Number	Application
1	Standard Wash	6	Sheepskins and Cubicle Curtains
2	Sheets	7	White Table Linens and Kitchen Articles
3	Pillowcases	8	Multi-flush
4	Towels and Personal Work	9	Stain Soak
5	Pads and Diapers	10	Quick Wash
1	Standard Wash	6	Sheepskins
2	Sheets	7	White Table Linens
3	Pillowcases	8	Multi-flush
4	Towels and Personal Goods	9	Stain Treatment
5	Pads and Diapers	10	Quick Wash

Table 7. Restaurant Laundry Formulas

Formula Number	Application	Formula Number	Application
1	Standard Wash	6	Hand Towels and Uniforms
2	Colored Table Linens	7	Floor Mops
3	Table Linen and Aprons	8	Multi-flush
4	Wipes	9	Stain Soak
5	Stain Treatment	10	Quick Wash
1	Standard Wash	6	Hand Towels and Uniforms
2	Colored Table Linen	7	Floor Mops
3	White Table Linen	8	Multi-flush
4	Wipes	9	Stain Treatment
5	100% Polyester Table Linen	10	Quick Wash

Table 8. Shirt Laundry Formulas

Formula Number	Application	Formula Number	Application
1	Starch/Extract Only	6	Delicates
2	White (Starch)	7	Stain Treatment
3	Colored (Starch)	8	Oxygen Bleach
4	White (No Starch)	9	Stain Soak
5	Colored (No Starch)	10	Extract
1	Starch and Extract	6	Split Wash—No Starch
2	Starched Goods—White	7	Cold Wash—No Starch
3	Starched Goods—Colored	8	Delicates
4	Cold Wash—Starched Goods	9	Stain Treatment
5	Hot Wash—No Starch	10	Extract

Table 9. Commercial Laundry Formulas

Formula Number	Application	Formula Number	Application
1	Standard Wash	6	Heavy Soil (White)
2	Light Soil (White)	7	Heavy Soil (Colored)
3	Light Soil (Colored)	8	Multi-flush
4	Medium Soil (White)	9	Stain Soak
5	Medium Soil (Colored)	10	Quick Wash
1	Standard Wash	6	Heavy Soil (White)
2	Light Soil (White)	7	Heavy Soil (Colored)
3	Light Soil (Colored)	8	Multi-flush
4	Medium Soil (White)	9	Stain Treatment
5	Medium Soil (Colored)	10	Bedspreads and Blankets

Table 10. Offshore Laundry Formulas

Formula Number	Application	Formula Number	Application
1	Standard Wash	6	Floor Mops
2	Personal Work	7	Greasy Rags
3	Work Clothes—Heavy Soil	8	Multi-Flush
4	Bed/Bath Linen	9	Stain Soak
5	Wipes/Kitchen	10	Quick Wash
1	Standard Wash	6	Colored Table Linen
2	Personal Work	7	Greasy Rags
3	Work Clothes—No Bleach	8	Multi-flush
4	Bed/Bath Linen	9	Stain Treatment
5	Kitchen Wipes and Mops	10	Quick Wash

Table 11. Gear Guardian Formulas

Formula Number	Application	Formula Number	Application
1	Light Soil Turnouts	6	Brush Gear
2	Heavy Soil Turnouts	7	Hoods and Suspenders
3	Moisture Barriers	8	Truck Towels
4	Breathable Vapor Barriers	9	Stationwear
5	Oil-contaminated Gear	10	Sheets and Pillowcases

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1.3 How to Use the E-P Plus® Formula Tables

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Each standard E-P Plus formula is described in tabular form in this manual. Formulas are made up of steps, which are programmed through a series of decisions. In the formula tables in this manual, each step decision is represented by a column, and each step is described by one row of the table.

Part of a typical formula chart is shown in Table 12: Sample Laundry Partial Formula: Example Only, page 10 below, and a brief description of each step decision follows the table. For more complete explanations of each decision, see the appropriate section in the reference manual for your machine.

1.3.1 Sample Formula Table

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Table 12. Sample Laundry Partial Formula: Example Only

Decision Step Number	T	M M Q	F F F	H	C	3	L	S	C	W	S S	*	SPD	D	R	E	Chem. Dose
1	2	0 6 0	0 0 0	1	0		1		1 2	0 0	4 0 4 0	0 0	1	0			
2	2	0 2 0	0 0 0	1	0		2		0				1	0			
3	4	0 1 0															

1.3.2 Definitions of Step Decision Symbols

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1.3.2.1 T = Type of Step

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0 = End Formula always the **last step** in a formula; signifies that there are no further steps and prompts programmer for step decision **E = How to End Formula**

1 = One-way Wash basket rotates in **one direction only** throughout this step; used for small goods

2 = Two-way Wash basket **reverses** rotation periodically throughout this step; used for goods which might tangle

3 = Soak Wash basket is **stationary** throughout this step; drastically reduces mechanical action

4 = Intermediate Extract the **slowest extract** speed; usually used between bath steps

5 = Intermediate or Final Extract depending on machine model, this step type may be either a **faster intermediate extract or a final extract**, as is used at the end of a formula. This type of step is not available on TxJ models.

6 = Final Extract only available on models with three extract speeds, this is the step type usually used **to eliminate the maximum amount of water** from the goods. This type of step is not available on TxJ models.

1.3.2.2 MMQ = Step Duration

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Enter the duration of the step in minutes, minutes, and quarter-minutes.

001 step duration of 15 seconds (**minimum** allowable step duration)

072 step duration of 7:30 (7 minutes and 2 quarter-minutes)

633 step duration of 63:45 (**maximum** allowable step duration)

NOTE: The total time for a wash formula will be greater than the sum of the individual step times because of drain times and coast times, which vary among machine models.

1.3.2.3 FFF or CCC = Commanded Bath Temperature (Optional)

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This decision is available only if the machine is equipped with and configured for optional temperature control.

FFF or CCC **commanded temperature** in degrees Fahrenheit or Celsius; depends on how machine is configured
050°F/010°C **minimum** temperature in any bath
205°F/095°C **maximum** temperature in any bath

1.3.2.4 H = Hot Water Valve

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0 hot water valve **off**
1 hot water valve **on**
2 hot water valve **on to raise temperature** of filling water
3 response not allowed

1.3.2.5 C = Cold Water Valve

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0 cold water valve **off**
1 cold water valve **on**
2 response not allowed
3 cold water valve **on to lower temperature** of filling water

1.3.2.6 3 = Third Water Valve (Optional)

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This decision is available only if the machine is equipped with and configured for optional third water valve.

0 third water valve **off**
1 third water valve **on**
2 third water valve **on to raise temperature** of filling water
3 third water valve **on to lower temperature** of filling water

1.3.2.7 L = Bath Level

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1 **low** bath level
2 **high** bath level

1.3.2.8 S = Steam (Optional)

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This decision is available only if the machine is equipped with and configured for steam.

1 Start steaming **after** level is achieved, subsequent steaming **allowed**; timer **runs**.
2 Start steaming **after** level is achieved, subsequent steaming **not allowed**; timer **stops** until temperature is achieved.
3 Start steaming **after** level is achieved, subsequent steaming **allowed**; timer **stops** until temperature is achieved.
4 Start steaming **before** level is achieved, subsequent steaming **allowed**; timer **runs**.
5 Start steaming **before** level is achieved, subsequent steaming **not allowed**; timer **stops** until temperature is achieved.

6 Start steaming **before** level is achieved, subsequent steaming **allowed**; timer **stops** until temperature is achieved.

1.3.2.9 C = Chemicals

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There may be more than one chemical decision per step because multiple chemicals may be added to a single bath. The maximum number of chemicals that may be injected per bath may be either two or five, depending on machine model and software version.

If the chemical numbers and names shown below do not correspond to how your machine is set up, do not use the default formulas without first testing and modifying the chemical injection values.

0 no chemical injection commanded
1 inject chemical 1, usually **alkali** for QxJ and 36-inch or larger VxJ models; **detergent** for other models
2 inject chemical 2, usually **detergent** for QxJ and 36-inch or larger VxJ models; **bleach** for other models
3 inject chemical 3, usually **bleach** for QxJ and 36-inch or larger VxJ models; **sour** for other models
4 inject chemical 4, usually **softener** for all models
5 inject chemical 5, usually **starch** for all models; also used to signal that a ChemSave machine desires to inject chemical

1.3.2.10 W = When to Inject Chemicals

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At what point in the step is this chemical to be injected?

0 Begin injecting the chemical **when the water valves open**.
1 Begin injecting the chemical when the commanded **bath level is achieved**.
2 Begin injecting the chemical when the commanded **bath level and temperature are achieved**. This option is available only with steam codes of 2, 3, 5, or 6 programmed

1.3.2.11 SS = Chemical Injection Duration

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How long should the chemical injection continue?

00 0 seconds; chemical injection prohibited
40 40 seconds; default value
B9 119 seconds (Table 13: Codes for Inject Times of 100 Seconds and Longer, page 12)
Q5 255 seconds; maximum value

Table 13. Codes for Inject Times of 100 Seconds and Longer

Alphabetic Code	Value	Alphabetic Code	Value	Alphabetic Code	Value	Alphabetic Code	Value
A	100	E	140	I	180	M	220
B	110	F	150	J	190	N	230
C	120	G	160	K	200	O	240
D	130	H	170	L	210	P	250

1.3.2.12 * = Signal with Chemical Injection

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Should the machine operator be notified when this chemical injection is desired?

0 **No**. The chemical injection occurs automatically without operator notification or intervention.
1 **Yes**. The machine will signal the operator when this chemical injection is desired. The operator must cancel the signal by pressing ✓ or ☑ before the injection will occur.

1.3.2.13 SPD = Wash Speed

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Should this step employ normal wash speed or high wash speed?

0 This is wash speed 2. This **higher wash speed** decreases mechanical action by reducing the distance the goods are dropped.
1 This is wash speed 1, the **normal wash speed**. This speed is the default value for factory-supplied formulas and new bath steps.

1.3.2.14 D = Drain Action

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What type of drain action is desired for this step?

0 **Standard drain speed;** cylinder turns clockwise at drain/distribution speed.
1 **Two-way wash speed;** cylinder reverses at wash speed for additional mechanical action during draining.
2 **Do not drain;** bath liquor is retained, as for the injection of additional chemicals or for baths longer than the control will allow in a single step.
3 **Stop with fill.** The cylinder does not turn while filling prior to this drain, but turns at standard drain speed during draining.
4 **Stop with drain.** The cylinder does not turn during draining.
5 **Stop with fill and drain.** The cylinder is held stationary during both fill and drain.
6 **RinSave®** The cylinder turns clockwise at approximately 1G with the drain closed for a fixed time. At the end of that time, the drain opens. After a fixed time at drain/distribution speed with the drain open, the cylinder accelerates to RinSave speed. **This drain action is available only on machines with RinSave software; this drain action is replaced by the standard drain speed on other machines.**

1.3.2.15 R = Drain Destination (Optional)

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0 Drain this bath to the **sewer.**
1 If machine is equipped with an optional second drain, this selection allows draining this bath to an **optional reuse tank.**

1.3.2.16 E = How to End Formula

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How should this formula end?

0 Stop and require operator to cancel signal
1 Reversing at wash speed and require operator to end formula

2 Rotating at wash speed and require the operator to end the formula
3 Tumble at wash speed for two minutes, then sound signal
4 Stop and sound operator signal for two minutes, then shut off; available only with software dated 9B005 or later.
5 Reverse at wash speed with signal sounding for two minutes, then shut off; available only with software dated 9B005 or later.
6 Rotate at drain speed for two minutes with signal, then shut off; available only with software dated 9B005 or later.
7 Tumble for two minutes, then tumble with signal for two minutes, then shut off; available only with software dated 9B005 or later.

1.3.3 Formula Programming Worksheet

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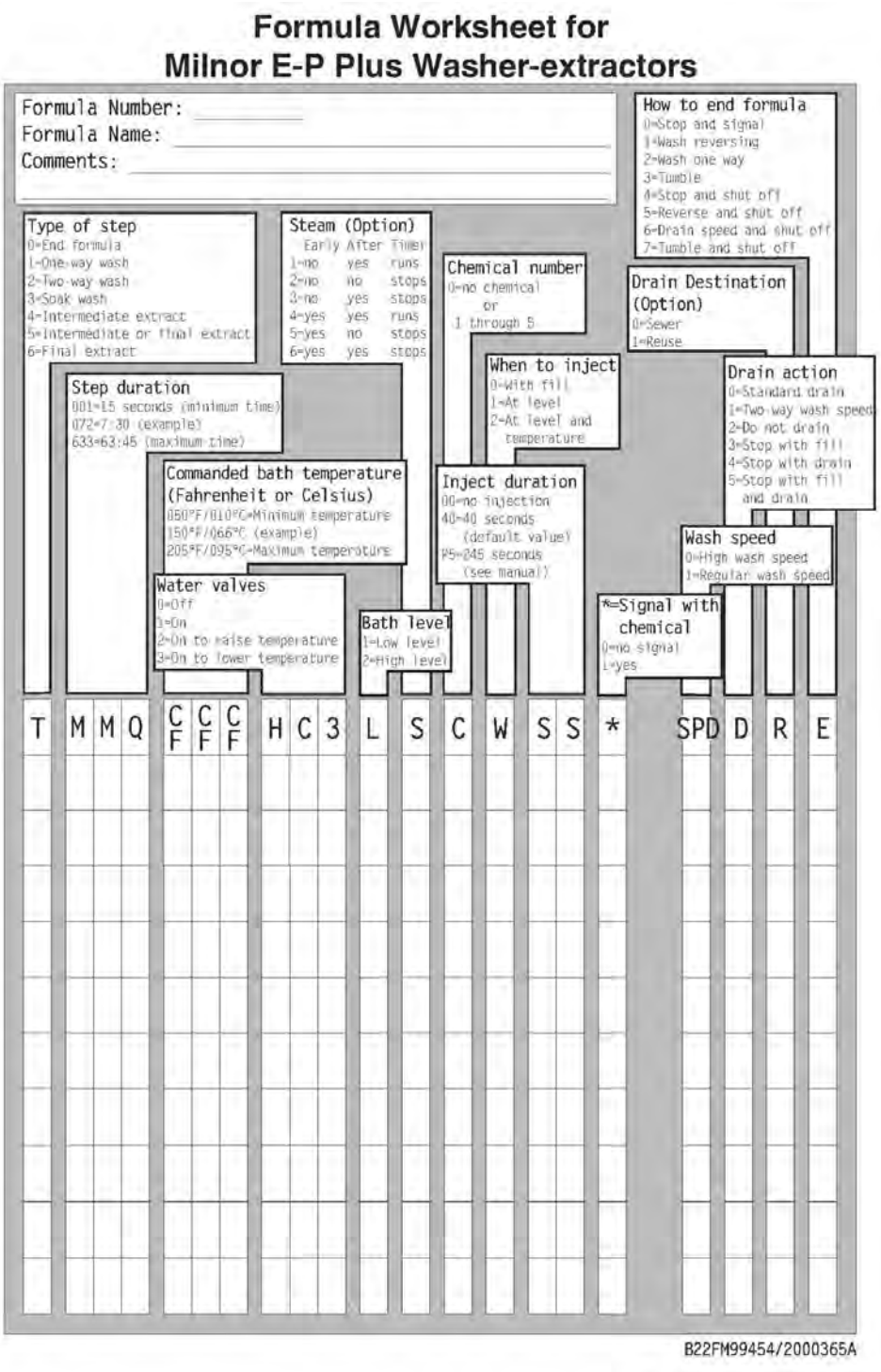
Figure 1. Worksheet



2 Wash Formulas

2.1 RinSave® Athletic Laundry Formulas

Table 14. Athletic Formula 01: Standard Wash

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	6	0	0	0	0	1	0		1		1 2	0 0	4	0 0	0 0	1	6			
2	2	0	1	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	3	0	0	0	0	0	1		1		3 4	0 0	4	0 0	0 0	1	0			
5	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 15. Athletic Formula 02: Towels

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4	0 0	0 0	1	0			
6	5	0	8	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 16. Athletic Formula 03: Athletic Uniforms

Decision Step Number	T	M M Q	F F F	H	C	3	L	S	C	W	S S	*	SPD	D	R	E	Chem. Dose
1	2	070	000	1	1		1		1	0	40	0	1	0			
2	2	020	000	1	1		2		0				1	0			
3	2	070	000	1	1		1		1	0	40	0	1	6			
4	2	020	000	0	1		2		0				1	0			
5	2	040	000	0	1		1		3	0	40	0	1	0			
6	5	040														0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																
7	0																

Table 17. Athletic Formula 04: Socks and T-shirts

Decision Step Number	T	M M Q	F F F	H	C	3	L	S	C	W	S S	*	SPD	D	R	E	Chem. Dose
1	2	070	000	1	0		1		1	0	40	0	1	0			
2	2	050	000	1	0		1		0				1	0			
3	2	070	000	1	0		1		2	0	40	0	1	6			
4	2	020	000	1	1		2		0				1	0			
5	4	010															
6	2	040	000	0	1		1		3 4	0 0	40 40	0 0	1	0			
7	5	060														0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																
8	0																

Table 18. Athletic Formula 05: Floor Mops

Decision Step Number	T	M M Q	F F F	H	C	3	L	S	C	W	S S	*	SPD	D	R	E	Chem. Dose
1	2	020	000	1	1		2		0				1	0			
2	2	020	000	1	0		2		0				1	0			
3	2	070	000	1	0		1		1	0	40	0	1	6			
4	2	020	000	1	1		2		0				1	0			
5	4	010															
6	2	020	000	0	1		2		0				1	0			
7	5	060														0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																
8	0																

Table 19. Athletic Formula 06: Light Soil

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1 2	0 0	4	0 0	0 0	1	6			
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	3	0	0	0	0	0	1		1		3 4	0 0	4	0 0	0 0	1	0			
5	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 20. Athletic Formula 07: Cold Wash

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	0	1		2		0					1	0			
2	2	0	7	0	0	0	0	0	1		1		1	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	0	1		2		0					1	0			
4	5	0	3	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
5	0																					

Table 21. Athletic Formula 08: Multi-Flush

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	2	0	2	0	0	0	0	1	0		2		0					1	0			
4	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
5	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
6	2	0	2	0	0	0	0	1	1		2		0					1	0			
7	4	0	1	0																		
8	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4	0 0	0 0	1	0			
9	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
10	0																					

Table 22. Athletic Formula 09: Stain Soak

Decision Step Number	T	M M Q	F F F	H	C	3	L	S	C	W	S S	*	SPD	D	R	E	Chem. Dose
1	2	0 0 1	0 0 0	1	1		1		0				1	2			
2	3	2 5 0	0 0 0	1	1		1		0				1	6			
3	2	0 2 0	0 0 0	1	1		2		0				1	0			
4	4	0 1 0															
5	2	0 4 0	0 0 0	0	1		1		3 4	0 0	4 0 4 0	0 0	1	0			
6	5	0 6 0														0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																
7	0																

Table 23. Athletic Formula 10: Quick Wash

Decision Step Number	T	M M Q	F F F	H	C	3	L	S	C	W	S S	*	SPD	D	R	E	Chem. Dose
1	2	0 5 0	0 0 0	1	0		1		1 2	0 0	4 0 4 0	0 0	1	6			
2	2	0 1 0	0 0 0	1	1		2		0				1	0			
3	4	0 1 0															
4	2	0 3 0	0 0 0	0	1		1		3 4	0 0	4 0 4 0	0 0	1	0			
5	5	0 5 0														0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																
6	0																

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2.2 RinSave® Correctional Laundry Formulas

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Table 24. Correctional Laundry Formula 01: Standard Wash

Decision Step Number	T	M M Q	F F F	H	C	3	L	S	C	W	S S	*	SPD	D	R	E	Chem. Dose
1	2	0 6 0	0 0 0	1	0		1		1 2	0 0	4 0 4 0	0 0	1	6			
2	2	0 1 0	0 0 0	1	1		2		0				1	0			
3	4	0 1 0															
4	2	0 3 0	0 0 0	0	1		1		3 4	0 0	4 0 4 0	0 0	1	0			

Table 24 Correctional Laundry Formula 01: Standard Wash (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
5	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 25. Correctional Laundry Formula 02: Personal Clothing (White)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	8	0	0	0	0	1	0		1		1 2	0 0	4 4	0 0	0 0	1	6			
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
5	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 26. Correctional Laundry Formula 03: Bed Linen/Towels

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 27. Correctional Laundry Formula 04: Uniforms

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			

Table 27 Correctional Laundry Formula 04: Uniforms (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	8	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 28. Correctional Laundry Formula 05: Blankets

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	8	0	0	0	0	1	1		1		1	0	4	0	0	1	6			
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	2	0	4		0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
4	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
5	0																					

Table 29. Correctional Laundry Formula 06: Personal Clothing (Color)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	1	0	0	0	0	0	1	0		1		1	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	2	0	7	0	0	0	0	0	1		1		3 5	0 0	4 4	0 0	0 0	1	0			
5	5	0	3	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 30. Correctional Laundry Formula 07: Infirmary

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	1	0	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
3	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
4	2	0	2	0	0	0	0	1	1		2		0					1	0			
5	4	0	1	0																		
6	2	0	7	0	0	0	0	0	1		1		3 5	0 0	4 4	0 0	0 0	1	0			
7	5	0	3	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					

Table 31. Correctional Laundry Formula 08: Food Service/Aprons/Wipes/Mops

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	2	0	2	0	0	0	0	1	0		2		0					1	0			
4	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
5	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
6	2	0	2	0	0	0	0	1	1		2		0					1	0			
7	4	0	1	0																		
8	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
9	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
10	0																					

Table 32. Correctional Laundry Formula 09: Stain Soak

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	0	1	0	0	0	1	1		1		0					1	2			
2	2	2	5	0	0	0	0	1	1		1		0					1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	6	0																	0	

Table 32 Correctional Laundry Formula 09: Stain Soak (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 33. Correctional Laundry Formula 10: Quick Wash

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	5	0	0	0	0	1	0		1		1 2	0 0	4 4	0 0	0 0	1	6			
2	2	0	1	0	0	0	0	1	1		2			0				1	0			
3	4	0	1	0																		
4	2	0	3	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
5	5	0	5	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

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2.3 RinSave® Hotel-Motel Laundry Formulas

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Table 34. Hotel-Motel Formula 01: Standard Wash

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	6	0	0	0	0	1	0		1		1 2	0 0	4 4	0 0	0 0	1	6			
2	2	0	1	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	3	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
5	5	0	6	0																	0	
6	0																					

Table 35. Hotel-Motel Formula 02: Sheets

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	8	0	0	0	0	1	0		1		1	0	4	0	0	1	6			

Table 35 Hotel-Motel Formula 02: Sheets (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
													2	0	4	0	0					
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
5	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 36. Hotel-Motel Formula 03: Pillowcases

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 37. Hotel-Motel Formula 04: Towels and Uniforms

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	8	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 38. Hotel-Motel Formula 05: Bedspreads and Blankets

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	8	0	0	0	0	1	1		1		1	0	4	0	0	1	6			
2	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
3	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
4	0																					

Table 39. Hotel-Motel Formula 06: Colored Table Linens

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	1	0	0	0	0	0	1	0		1		1	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	1	1		2		0						0			
4	2	0	7	0	0	0	0	0	1		1		3 5	0 0	4 4	0 0	0 0	1	0			
5	5	0	3	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 40. Hotel-Motel Formula 07: White Table Linens and Kitchen

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	1	0	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
3	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
4	2	0	2	0	0	0	0	1	1		2		0					1	0			
5	4	0	1	0																		
6	2	0	7	0	0	0	0	0	1		1		3 5	0 0	4 4	0 0	0 0	1	0			
7	5	0	3	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					

Table 41. Hotel-Motel Formula 08: Multi-Flush

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	2	0	2	0	0	0	0	1	0		2		0					1	0			
4	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
5	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
6	2	0	2	0	0	0	0	1	1		2		0					1	0			
7	4	0	1	0																		
8	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
9	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
10	0																					

Table 42. Hotel-Motel Formula 09: Stain Soak

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	0	1	0	0	0	1	1		1		0					1	2			
2	3	2	5	0	0	0	0	1	1		1		0					1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 43. Hotel-Motel Formula 10: Quick Wash

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	5	0	0	0	0	1	0		1		1 2	0 0	4 4	0 0	0 0	1	6			
2	2	0	1	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	3	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
5	5	0	5	0																	0	

Table 43 Hotel-Motel Formula 10: Quick Wash (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

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2.4 RinSave® Healthcare Laundry Formulas

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Table 44. Healthcare Formula 01: Standard Wash

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	6	0	0	0	0	1	0		1		1 2	0 0	4 4	0 0	0 0	1	6			
2	2	0	1	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	3	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
5	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 45. Healthcare Formula 02: Sheets

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	8	0	0	0	0	1	0		1		1 2	0 0	4 4	0 0	0 0	1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	6	0																		
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."5																					
7	0																					

Table 46. Healthcare Formula 03: Pillowcases

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
3	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
4	2	0	2	0	0	0	0	1	1		2		0					1	0			
5	4	0	1	0																		
6	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0		0	
7	5	0	6	0																		
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					

Table 47. Healthcare Formula 04: Towels and Personal Work

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		1		0					1	0			
2	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
5	2	0	2	0	0	0	0	1	1		2		0					1	0			
6	4	0	1	0																		
7	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
8	5	0	8	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
9	0																					

Table 48. Healthcare Formula 05: Pads and Diapers

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	2	0	8	0		0	0	1	0		1		1	0	4	0	0	1	0			
4	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
5	2	0	2	0	0	0	0	1	1		2		0					1	0			
6	4	0	1	0																		
7	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			

Table 48 Healthcare Formula 05: Pads and Diapers (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
8	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
9	0																					

Table 49. Healthcare Formula 06: Sheepskins and Cubicle Curtains

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	0	1		2		0					1	0			
2	2	0	7	0	0	0	0	1	1		1		1	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	0	1		2		0					1	0			
4	2	0	2	0	0	0	0	0	1		2		0					1	0			
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	3	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 50. Healthcare Formula 07: White Table Linens and Kitchen

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	2	0	0	0	0	1	0		2		0					1	0			
3	2	1	2	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
4	2	0	2	0	0	0	0	1	0		2		0					1	0			
5	2	1	2	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
6	2	0	2	0	0	0	0	1	1		2		0					1	0			
7	4	0	1	0																		
8	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
9	5	0	3	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
10	0																					

Table 51. Healthcare Formula 08: Multi-Flush

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	2	0	2	0	0	0	0	1	0		2		0					1	0			
4	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
5	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
6	2	0	2	0	0	0	0	1	1		2		0					1	0			
7	4	0	1	0																		
8	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
9	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
10	0																					

Table 52. Healthcare Formula 09: Stain Soak

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	0	1	0	0	0	1	1		1		0					1	2			
2	3	2	5	0	0	0	0	1	1		1		0					1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 53. Healthcare Formula 10: Quick Wash

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	5	0	0	0	0	1	0		1		1 2	0 0	4 4	0 0	0 0	1	6			
2	2	0	1	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	3	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
5	5	0	5	0																	0	

Table 53 Healthcare Formula 10: Quick Wash (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

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2.5 RinSave® Restaurant Laundry Formulas

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Table 54. Restaurant Formula 01: Standard Wash

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	6	0	0	0	0	1	0		1		1 2	0 0	4 4	0 0	0 0	1	6			
2	2	0	1	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	3	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
5	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 55. Restaurant Formula 02: Colored Table Linen

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	1	0	0	0	0	0	1	0		1		1	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	2	0	7	0	0	0	0	0	1		1		3 5	0 0	4 4	0 0	0 0	1	0			
5	5	0	3	0																		
6	5	0	1	2																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 56. Restaurant Formula 03: Table Linen and Aprons

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	9	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
3	2	0	8	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
4	2	0	2	0	0	0	0	1	1		2		0					1	0			
5	4	0	1	0																		
6	2	0	7	0	0	0	0	0	1		1		3 5	0 0	4 4	0 0	0 0	1	0			
7	5	0	3	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					

Table 57. Restaurant Formula 04: Wipes

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	2	0	0	0	0	1	0		2		0					1	0			
3	2	0	8	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
4	2	0	6	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
5	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
6	2	0	2	0	0	0	0	1	1		2		0					1	0			
7	4	0	1	0																		
8	2	0	3	0	0	0	0	0	1		1		3	0	4	0	0	1	0			
9	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
10	0																					

Table 58. Restaurant Formula 05: Stain Treatment

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	8	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	2	0	0	0	0	1	0		2		0					1	0			
3	2	0	8	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
4	2	0	2	0	0	0	0	1	1		2		0					1	0			
5	4	0	1	0																		
6	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
7	5	0	3	0																	0	

Table 58 Restaurant Formula 05: Stain Treatment (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					

Table 59. Restaurant Formula 06: Hand Towels and Uniforms

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 60. Restaurant Formula 07: Floor Mops

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	2	0	0	0	0	1	0		2		0					1	0			
3	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	6			
4	2	0	2	0	0	0	0	1	1		2		0					1	0			
5	4	0	1	0																		
6	2	0	2	0	0	0	0	0	1		2		0					1	0			
7	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					

Table 61. Restaurant Formula 07: Multi-Flush

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	2	0	2	0	0	0	0	1	0		2		0					1	0			
4	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			

Table 61 Restaurant Formula 07: Multi-Flush (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
5	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
6	2	0	2	0	0	0	0	1	1		2		0					1	0			
7	4	0	1	0																		
8	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
9	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
10	0																					

Table 62. Restaurant Formula 09: Stain Soak

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	0	1	0	0	0	0	1		1		0					1	2			
2	3	2	5	0	0	0	0	1	1		1		0					1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 63. Restaurant Formula 10: Quick Wash

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	5	0	0	0	0	1	0		1		1 2	0 0	4 4	0 0	0 0	1	6			
2	2	0	1	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	3	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
5	5	0	5	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

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2.6 RinSave® Shirt Laundry Formulas

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Table 64. Shirt Laundry Formula 01: Starch/Extract Only

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	0	1		1		5	0	4	0	0	1	0			
2	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
3	0																					

Table 65. Shirt Laundry Formula 02: White (Starch)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	2	0	0	0	0	1	0		2		0					1	0			
3	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
4	2	0	2	0	0	0	0	1	1		2		0					1	0			
5	4	0	1	0																		
6	2	0	7	0	0	0	0	0	1		1		3 5	0 0	4 4	0 0	0 0	1	0			
7	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					

Table 66. Shirt Laundry Formula 03: Colored (Starch)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	1	2	0	0	0	0	1	0		1		1	0	4	0	0	1	6			
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	7	0	0	0	0	1	1		1		3 5	0 0	4 4	0 0	0 0	1	0			
5	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 67. Shirt Laundry Formula 04: White (No Starch)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	2	0	0	0	0	1	0		2		0					1	0			
3	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
4	2	0	2	0	0	0	0	1	1		2		0					1	0			
5	4	0	1	0																		
6	2	0	7	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
7	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					

Table 68. Shirt Laundry Formula 05: Colored (No Starch)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 69. Shirt Laundry Formula 06: Delicates

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	5	0	0	0	0	1	1		2		1	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	2	0	2	0	0	0	0	0	1		2		0					1	0			
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	3	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 70. Shirt Laundry Formula 07: Stain Treatment

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	1	0	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	2	0	0	0	0	1	0		2		0					1	0			
3	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
4	2	0	2	0	0	0	0	1	0		2		0					1	0			
5	2	0	2	0	0	0	0	1	0		2		2	0	4	0	0	1	0			
6	4	0	1	0														1	0			
7	2	0	2	0	0	0	0	1	1		2		0					1	0			
8	4	0	1	0														1	0			
9	2	0	4	0	0	0	0	0	1		2		3 4	0 0	4 4	0 0	0 0	1	0			
10	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
11	0																					

Table 71. Shirt Laundry Formula 08: Oxygen Bleach

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	1	3	0	0	0	0	1	0		1		1 2	0 0	4 4	0 0	0 0	1	6			
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	2	0	2	0	0	0	0	0	1		2		0					1	0			
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 72. Shirt Laundry Formula 09: Stain Soak

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	0	1	0	0	0	1	1		1		0					1	2			
2	3	2	5	0	0	0	0	1	1		1		0					1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			

Table 72 Shirt Laundry Formula 09: Stain Soak (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
6	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 73. Shirt Laundry Formula 10: Extract

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	1	0	0	0	0	1	1		2		0					1	0			
2	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
3	0																					

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2.7 RinSave® Commercial Laundry Formulas

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Table 74. Commercial Laundry Formula 01: Standard Wash

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	6	0	0	0	0	1	0		1		1 2	0 0	4 4	0 0	0 0	1	6			
2	2	0	1	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	3	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
5	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 75. Commercial Laundry Formula 02: Light Soil—White

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	8	0	0	0	0	1	0		1		1 2	0 0	4 4	0 0	0 0	1	6			

Table 75 Commercial Laundry Formula 02: Light Soil—White (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
5	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 76. Commercial Laundry Formula 03: Light Soil—Colored

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	8	0	0	0	0	1	0		1		1	0	4	0	0	1	6			
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
5	5	0	3	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 77. Commercial Laundry Formula 04: Medium Soil—White

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 78. Commercial Laundry Formula 05: Medium Soil—Colored

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	6			
2	2	0	7	0	0	0	0	1	0		2		0					1	0			
3	4	0	1	0																		
4	2	0	2	0	0	0	0	1	1		2		0					1	0			
5	4	0	1	0																		
6	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
7	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					

Table 79. Commercial Laundry Formula 06: Heavy Soil—White

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	1	0	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	2	0	0	0	0	1	0		2		0					1	0			
3	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
4	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
5	2	0	2	0	0	0	0	1	1		2		0					1	0			
6	2	0	2	0	0	0	0	0	1		2		0					1	0			
7	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
8	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
9	0																					

Table 80. Commercial Laundry Formula 07: Heavy Soil—Colored

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	1	0	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	2	0	0	0	0	1	0		2		0					1	0			
3	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	6			
4	2	0	7	0	0	0	0	1	0		1		0					1	0			
5	2	0	2	0	0	0	0	1	1		2		0					1	0			
6	2	0	2	0	0	0	0	0	1		2		0					1	0			
7	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			

Table 80 Commercial Laundry Formula 07: Heavy Soil—Colored (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
8	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
9	0																					

Table 81. Commercial Laundry Formula 08: Multi-Flush

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	2	0	2	0	0	0	0	1	0		2		0					1	0			
4	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
5	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
6	2	0	2	0	0	0	0	1	1		2		0					1	0			
7	4	0	1	0																		
8	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
9	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
10	0																					

Table 82. Commercial Laundry Formula 09: Stain Soak

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	0	1	0	0	0	1	1		1		0					1	2			
2	3	2	5	0	0	0	0	1	1		1		0					1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 83. Commercial Laundry Formula 10: Quick Wash

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	5	0	0	0	0	1	0		1		1 2	0 0	4	0 0	0 0	1	6			
2	2	0	1	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	3	0	0	0	0	0	1		1		3 4	0 0	4	0 0	0 0	1	0			
5	5	0	5	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

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2.8 RinSave® Offshore Laundry Formulas

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Table 84. Offshore Laundry Formula 01: Standard Wash

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	6	0	0	0	0	1	0		1		1 2	0 0	4	0 0	0 0	1	6			
2	2	0	1	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	3	0	0	0	0	0	1		1		3 4	0 0	4	0 0	0 0	1	0			
5	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 85. Offshore Laundry Formula 02: Personal Work

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4	0 0	0 0	1	0			

Table 85 Offshore Laundry Formula 02: Personal Work (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
6	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 86. Offshore Laundry Formula 03: Work Clothes—Heavy Soil

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	1	0	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	2	0	0	0	0	1	0		2		0					1	0			
3	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	6			
4	2	0	7	0	0	0	0	1	0		1		0					1	0			
5	2	0	2	0	0	0	0	1	1		2		0					1	0			
6	2	0	2	0	0	0	0	0	1		2		0					1	0			
7	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
8	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
9	0																					

Table 87. Offshore Laundry Formula 04: Bed/Bath Linen

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	2	0	0	0	0	1	0		2		0					1	0			
3	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
4	2	0	2	0	0	0	0	1	1		2		0					1	0			
5	4	0	1	0																		
6	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
7	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					

Table 88. Offshore Laundry Formula 05: Wipes/Kitchen

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	2	0	0	0	0	1	0		2		0					1	0			
3	2	0	8	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
4	2	0	6	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
5	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
6	2	0	2	0	0	0	0	1	1		2		0					1	0			
7	4	0	1	0																		
8	2	0	3	0	0	0	0	0	1		1		3	0	4	0	0	1	0			
9	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
10	0																					

Table 89. Offshore Laundry Formula 06: Floor Mops

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 90. Offshore Laundry Formula 07: Greasy Rags

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	8	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
2	2	0	2	0	0	0	0	1	0		2		0					1	0			
3	2	0	2	0	0	0	0	1	0		2		0					1	0			
4	2	0	8	0	0	0	0	1	0		1		1	0	4	0	0	1	6			
5	2	0	2	0	0	0	0	1	1		2		0					1	0			
6	4	0	1	0																		
7	2	0	2	0	0	0	0	0	1		2		0					1	0			
8	5	0	6	0																	0	

Table 90 Offshore Laundry Formula 07: Greasy Rags (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
9	0																					

Table 91. Offshore Laundry Formula 08: Multi-Flush

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	2	0	0	0	0	1	1		2		0					1	0			
2	2	0	2	0	0	0	0	1	1		2		0					1	0			
3	2	0	2	0	0	0	0	1	0		2		0					1	0			
4	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0	1	0			
5	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0	1	6			
6	2	0	2	0	0	0	0	1	1		2		0					1	0			
7	4	0	1	0																		
8	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
9	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
10	0																					

Table 92. Offshore Laundry Formula 09: Stain Soak

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	0	1	0	0	0	1	1		1		0					1	2			
2	3	2	5	0	0	0	0	1	1		1		0					1	6			
3	2	0	2	0	0	0	0	1	1		2		0					1	0			
4	4	0	1	0																		
5	2	0	4	0	0	0	0	0	1		1		3 4	0 0	4 4	0 0	0 0	1	0			
6	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
7	0																					

Table 93. Offshore Laundry Formula 10: Quick Wash

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	5	0	0	0	0	1	0		1		1 2	0 0	4	0 0	0 0	1	6			
2	2	0	1	0	0	0	0	1	1		2		0					1	0			
3	4	0	1	0																		
4	2	0	3	0	0	0	0	0	1		1		3 4	0 0	4	0 0	0 0	1	0			
5	5	0	5	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

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2.9 Gear Guardian® Formulas

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2.9.1 About the Double Extract Step

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The double extract step in current E-P Plus® software provides improved extraction of goods that tend to hold water. Such items include moisture barriers and other goods that do not allow water to pass through them. Double extract is available in version 2300F or higher of software WUV7J1B, and in version 2200V and higher of software WUH7JA.

A double extract occurs if the machine is configured for Gear Guardian formulas and an intermediate extract is programmed (step type=5). The machine runs at intermediate extract speed for 150 seconds before a performing a software recycle, as if the vibration switch tripped.

Table 94. Formula 01–Light Soil Turnouts

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0		3			
2	2	0	2	0	0	0	0	1	1		2		0						3			
3	4	0	1	0																		
4	2	0	1	0	0	0	0	1	1		2		0						3			
5	4	0	1	0																		
6	2	0	1	0	0	0	0	0	1		2		0						3			
7	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					

Table 95. Formula 02–Heavy Soil Turnouts

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0		3			
2	2	0	2	0	0	0	0	1	0		2		0						3			
3	2	0	7	0	0	0	0	1	0		1		2	0	4	0	0		3			
4	2	0	1	0	0	0	0	1	1		2		0						3			
5	4	0	1	0																		
6	2	0	1	0	0	0	0	1	1		2		0						3			
7	4	0	1	0																		
8	2	0	1	0	0	0	0	0	2		2		0						3			
9	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
10	0																					

Table 96. Formula 03–Light Soil Moisture Barriers

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	5	0	0	0	0	1	0		1		1	0	4	0	0		3			
2	2	0	1	0	0	0	0	1	1		2		0						3			
3	4	0	1	0																		
4	2	0	1	0	0	0	0	0	1		2		0						3			
5	5	0	4	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 97. Formula 04–Heavy Soil Moisture Barriers

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	5	0	0	0	0	1	0		1		1	0	4	0	0		3			
2	2	0	1	0	0	0	0	1	1		2		0						3			
3	4	0	1	0																		
4	2	0	1	0	0	0	0	0	1		2		0						3			
5	5	0	5	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
6	0																					

Table 98. Formula 05–Oil-contaminated Gear

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	1	0	0	0	0	1	0		1		1	0	4	0	0		3			
2	3	1	5	0	0	0	0	1	0		1		0						3			
3	2	0	2	0	0	0	0	1	0		2		0						3			
4	2	0	7	0	0	0	0	1	1		1		2	0	4	0	0		3			
5	2	0	1	0	0	0	0	1	1		2		0						3			
6	4	0	1	0																		
7	2	0	1	0	0	0	0	1	1		2		0						3			
8	4	0	1	0																		
9	2	0	1	0	0	0	0	1	1		2		0						3			
10	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
11	0																					

Table 99. Formula 06–Brush Gear

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	8	0	0	0	0	1	0		1		1	0	4	0	0		3			
2	2	0	2	0	0	0	0	1	1		2		0						3			
3	4	0	1	0																		
4	2	0	1	0	0	0	0	1	1		2		0						3			
5	4	0	1	0																		
6	2	0	1	0	0	0	0	0	1		2		0						3			
7	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					

Table 100. Formula 07–Hoods and Suspenders

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	6	0	0	0	0	1	0		1		1	0	4	0	0		3			
2	2	0	1	0	0	0	0	1	1		2		0						3			
3	4	0	1	0																		
4	2	0	1	0	0	0	0	1	1		2		0						3			
5	4	0	1	0																		
6	2	0	1	0	0	0	0	0	1		2		0						3			
7	5	0	5	0																	0	

Table 100 Formula 07–Hoods and Suspenders (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					

Table 101. Formula 08–Wash Out - no goods

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	8	0	0	0	0	1	0		2		1	0	4	0	0		3			
2	2	0	3	0	0	0	0	1	0		2		0						3			
3	2	0	3	0	0	0	0	1	0		2		0						0		0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
4	0																					

Table 102. Formula 09–Stationwear

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	8	0	0	0	0	1	0		1		1	0	4	0	0		3			
2	2	0	4	0	0	0	0	1	1		1		0						3			
3	4	0	1	0																		
4	2	0	1	0	0	0	0	1	1		2		0						3			
5	4	0	1	0																		
6	2	0	1	0	0	0	0	0	1		2		0						3			
7	5	0	6	0																	0	
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					

Table 103. Formula 10–Linens

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
1	2	0	7	0	0	0	0	1	0		1		1	0	4	0	0		3			
2	2	0	1	0	0	0	0	1	0		2		0						3			
3	4	0	1	0																		
4	2	0	1	0	0	0	0	1	1		2		0						3			
5	4	0	1	0																		
6	2	0	1	0	0	0	0	1	1		2		0						3			
7	5	0	6	0																	0	

Table 103 Formula 10–Linens (cont'd.)

Decision Step Number	T	M	M	Q	F	F	F	H	C	3	L	S	C	W	S	S	*	SPD	D	R	E	Chem. Dose
Note:	Because TxJ models are equipped with a single extract speed, all extract steps in TxJ models are programmed "T=4."																					
8	0																					