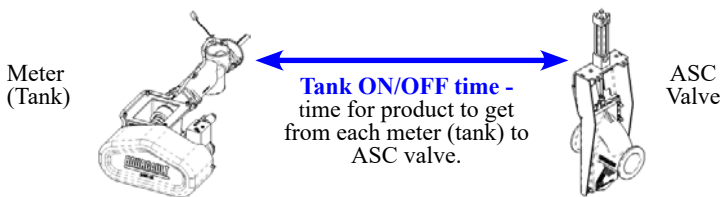


TANK ON / OFF TIMES



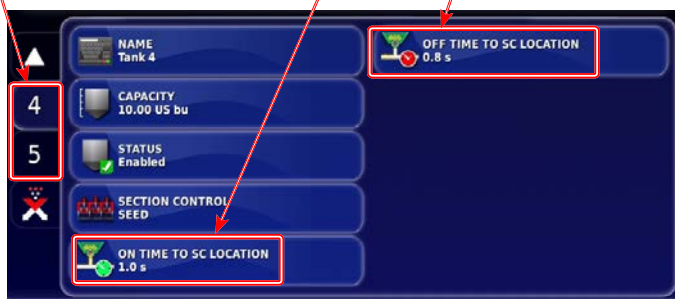
Select the following to navigate to Tank ON/OFF Time settings:



MUST BE ENTERED FOR EACH TANK

ON TIME

OFF TIME



IMPORTANT

The times provided in the table below should be loaded as part of the factory profile but need to be confirmed. They are very general and are to be used as a reference point only!

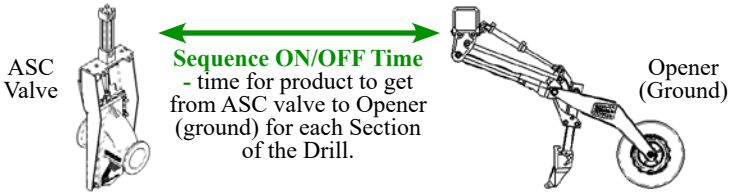
DO NOT ASSUME THESE WILL PREVENT MISSES OR OPTIMIZE PERFORMANCE!

Getting out of the tractor seat and digging is the only guaranteed method to ensure the ASC system is operating to your expectations!

Model		All Trailing A/C		Leading A/C		3420/Leading A/C	
ASC Timing Estimates		ON	OFF	ON	OFF	ON	OFF
Tank #1		0.6	0.6	2.4	2.4	0.9	0.9
Tank #2		0.8	0.8	2.3	2.3	0.8	0.8
Tank #3		0.9	0.9	2.2	2.2	0.7	0.7
Tank #4		1.0	1.0	2.1	2.1	0.6	0.6
Tank #5	9000 & all 7000, except 7550/L7550	0.7	0.7	2.5	2.5	1.0	1.0
	8000 & 7550/L7550	0.9	0.9	2.3	2.3	0.8	0.8

Note: The 3420/Leading A/C times need to be entered as the factory profile defaults to a regular Leading A/C.

SEQUENCE ON / OFF TIMES



Select the following to navigate to Sequence ON/OFF Time settings:

MUST BE ENTERED FOR EACH BOOM:

Boom 2 - Seed Boom
 (Seed Openers)

Note: Also controls TriMax ASC valves when equipped.

Boom 3 - Fertilizer Boom
 (MRB's or Fertilizer Openers on double shoot to shank units)

Note: BOOM 1 - default full width boom and therefore does not have sectional timings associated to it.



Section	On Time	Off Time	Select
All	10/10	10/10	✓
1	5.5 s	4.0 s	✓
2	5.0 s	3.5 s	✓
3	4.5 s	3.0 s	✓
4	4.0 s	2.5 s	✓
5	4.0 s	2.5 s	✓
6	4.5 s	3.0 s	✓

CONSIDERATIONS WHEN ENTERING SEQUENCE TIMES:

- Fan Speed / Product Rate: the air and product velocity in the system is defined by the fan speed. When establishing your sequence times ensure the fan is at its operating point. When changing seeding scenarios, be aware that changing your fan speed more than ~500 RPM may require the sequence times to be adjusted for truly optimal performance.
- GPS Signal: if using WAAS, the pass-to-pass accuracy may be up to 5-ft which needs to be accounted for if you want to prevent any misses / gaps in your field.
- For TriMax (triple shoot) equipped units, the section control is linked to the Seed boom. Depending on seeding scenario set the on times based on the product stream that takes longer to get to openers and set the off times based on product that cleans out first to ensure there are no misses.

ON TIME ADJUSTMENT:

- If product is not turning on quickly enough (ie. you have a “gap” or “miss”) as you exit coverage (ie. coming out of the headlands and starting a new pass) the “ON” SEQUENCE TIME for those sections is too short and you must ADD time.
- If product is turning on too quickly (ie. you have excess “overlap”) as you exit coverage (ie. coming out of the headlands and starting a new pass) the “ON” SEQUENCE TIME for those sections is too long and you must SUBTRACT time.

OFF TIME ADJUSTMENT:

- If product is not turning off quickly enough (ie. you have excess “overlap”) as you enter coverage (ie. entering the headlands) the “OFF” SEQUENCE TIME for those sections is too short and you must ADD time.
- If product is turning off too quickly (ie. you have a “gap” or “miss”) as you enter coverage (ie. entering the headlands) the “OFF” SEQUENCE TIME for those sections is too long and you must SUBTRACT time.

START OF PASS (Turning On)

Gap/miss → Increase ON time
 Excess overlap → Decrease On time

END OF PASS (Shutting Off)

Excess overlap → Increase OFF time
 Gap/miss → Decrease OFF time

Note: At 5-mph, each 1-second will account for approximately 7.5-ft of travel distance.

SEQUENCE ON / OFF TIMES



IMPORTANT

The times provided in the tables below should be loaded as part of the factory profile but need to be confirmed. They are very general and are to be used as a reference point only!

DO NOT ASSUME THESE WILL PREVENT MISSES OR OPTIMIZE PERFORMANCE!

Getting out of the tractor seat and digging is the only guaranteed method to ensure the ASC system is operating to your expectations!

NOTE: When standing behind the machine and facing the direction of travel, Section 1 is the left-most section and increases as you go left-to-right across the machines width.

Air Kit Configuration		6 - Port					
Section		1	2	3	4	5	6
3330/3335/3720/3820 40ft units	ON	4	3.5	3	3	3.5	4
	OFF	2.5	2	1.5	1.5	2	2.5
3330/3335/3720/3820 50/60/66/70 ft units	ON	4.3	3.8	3.3	3.3	3.8	4.3
	OFF	2.8	2.3	1.8	1.8	2.3	2.8

Air Kit Configuration		8 - Port							
Section		1	2	3	4	5	6	7	8
3330/3335/3720/3820 40/50ft units	ON	4.8	4.3	3.8	3.3	3.3	3.8	4.3	4.8
	OFF	3.3	2.8	2.3	1.8	1.8	2.3	2.8	3.3
3330/3335/3720/3820 60/66/70/76 ft units	ON	5.5	5	4.5	4	4	4.5	5	5.5
	OFF	4	3.5	3	2.5	2.5	3	3.5	4

Air Kit Configuration		10 - Port									
Section		1	2	3	4	5	6	7	8	9	10
3330/3335-86	ON	6.3	5.8	5.3	4.7	4	4	4.7	5.3	5.8	6.3
	OFF	4.8	4.3	3.8	3.2	2.5	2.5	3.2	3.8	4.3	4.8

Air Kit Configuration		8 - Port							
Section		1	2	3	4	5	6	7	8
3420-80	ON	6.5	6.5	7.0	7.5	7.5	7.0	6.5	6.5
	OFF	4.0	4.0	4.5	5.0	5.0	4.5	4.0	4.0

Air Kit Configuration		10 - Port									
Section		1	2	3	4	5	6	7	8	9	10
3420-80, 3420-100	ON	7.0	6.5	6.5	7.0	7.5	7.5	7.0	6.5	6.5	7.0
	OFF	4.5	4.0	4.0	4.5	5.0	5.0	4.5	4.0	4.0	4.5

Tables provided for your convenience to record your values semi-permanently.
 Use dry-erase marker that can be easily rubbed off.

SEEDING SCENARIO A		Boom 2 Product Type (Ex: Wheat + Starter)			Fan 1 Speed (RPM)			Boom 3 Product Type (Ex: Urea)			Fan 2 Speed (RPM)		
BOOM	SECTION	1	2	3	4	5	6	7	8	9	10		
2 (SEED)	ON												
	OFF												
3 (MRB)	ON												
	OFF												

SEEDING SCENARIO B		Boom 2 Product Type (Ex: Canola + Starter)			Fan 1 Speed (RPM)			Boom 3 Product Type (Ex: Urea + Sulfur)			Fan 2 Speed (RPM)		
BOOM	SECTION	1	2	3	4	5	6	7	8	9	10		
2 (SEED)	ON												
	OFF												
3 (MRB)	ON												
	OFF												



For more information go to the Customer Service area of www.bourgault.com and look for:

Auto Section Control
 - Sequence time settings