



How we use the Jang Seeder Rollers at Roebuck Farm



The Jang JP-1 is a precision single row seeder designed by a Korean firm called 'Jang Automation'. They make many variations of their seeders in different sizes but we like this one for its simplicity, accuracy and flexibility. These are the settings we use, though spacings may differ depending on your context, growing conditions, how big you want your plants to grow, etc. If in the Southern Hemisphere we recommend purchasing your Jang through ActiveVista, (www.activevista.com.au) a Tasmanian business supporting small scale farmers.



For more gold nuggets we highly recommend you tune in to our series

[The Profitable Mini Farm podcast series on Farm Small Farm Smart](#)

Hosted by Diego Footer

Crop	Roller in-season/winter	Cogs Front/Rear
Carrots – narrow seed	XY24	14/9
Carrots – wide seed	XY24	14/9
Spring Onions	X24	14/9
Purple Onions	X24	14/9
Tokyo Turnips	X12	14/9
Radish	F12	14/9
Mizuna	F24/F30	14/9
Rocket	F24/F30	14/9
Baby Kale	F24/F30	14/9
Coriander	LJ24/LJ30	14/9

The letters refer to the roller hole size and the numbers refer to the number of holes per roller. Each farmer has their own preferred spacings and roller sizes for each crop, depending on the seed they buy and the spacings they want - ours are suited to our farm.

Start on the left of this flowchart, choose your spacing, and it will give you the front and rear cog settings. This chart is replicated on the seeder itself in a different format, but it can be a little confusing. We prefer 24-hole rollers for maximum density. Using these charts, for example, you can see that we space our Carrots seeds at .5 inch.

Shaded area is the distance between seeds dropped, in inches.							
Choose required distance between plants (inches)	Holes in seed roller					COGS	
	3	4	6	12	24	REAR	FRONT
20	15	10	5	2.5		14 /9	
18	14	9	4.8	2.5		14 /10	
17	13	8	4.5	2.3		13 /10	
15	12	7.5	4	2		13 /11	
14	11	7	3.5	1.8		11 /10	
13	10	6.5	3	1.5		11 /11	
12	9	6	2.8	1.3		10 /11	
11	8	5.5	2.8	1.3		11 /12	
10	7.5	5	2.5	1		10 /13	
9	7	4.5	2.5	1		10 /14	
8	6	4	2	0.5		9 /14	