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Instructions: Place a piece of masking tape or some other marker on the center of one conveyor bar.

Use a stopwatch to determine the length of time the conveyor takes to make 5 or 10 revolutions.

Cross-reference the time with respective digger in table or chart below to determine conveyor speed in miles per hour.

Clemson Extension Recommendations:

Light vine loads: Conveyor speed should be about equal to ground speed.

Heavy (rank) vine loads: Set conveyor speed to 70 – 85% of ground speed.

Time for 5 Conveyor Revolutions (sec)	Time for 10 Conveyor Revolutions (sec)	Amadas Conveyor Speed (mph)	KMC Conveyor Speed (mph)
10	20	4.89	3.74
10.5	21	4.66	3.56
11	22	4.45	3.40
11.5	23	4.25	3.25
12	24	4.08	3.12
12.5	25	3.91	2.99
13	26	3.76	2.88
13.5	27	3.62	2.77
14	28	3.49	2.67
14.5	29	3.37	2.58
15	30	3.26	2.49
15.5	31	3.16	2.41
16	32	3.06	2.34
16.5	33	2.96	2.27
17	34	2.88	2.20
17.5	35	2.80	2.14
18	36	2.72	2.08
18.5	37	2.64	2.02
19	38	2.57	1.97
19.5	39	2.51	1.92
20	40	2.45	1.87
20.5	41	2.39	1.82
21	42	2.33	1.78

Time for 5 Conveyor Revolutions (sec)	Time for 10 Conveyor Revolutions (sec)	Amadas Conveyor Speed (mph)	KMC Conveyor Speed (mph)
21.5	43	2.28	1.74
22	44	2.22	1.70
22.5	45	2.17	1.66
23	46	2.13	1.63
23.5	47	2.08	1.59
24	48	2.04	1.56
24.5	49	2.00	1.53
25	50	1.96	1.50
25.5	51	1.92	1.47
26	52	1.88	1.44
26.5	53	1.85	1.41
27	54	1.81	1.39
27.5	55	1.78	1.36
28	56	1.75	1.34
28.5	57	1.72	1.31
29	58	1.69	1.29
29.5	59	1.66	1.27
30	60	1.63	1.25
30.5	61	1.60	1.23
31	62	1.58	1.21
31.5	63	1.55	1.19
32	64	1.53	1.17
32.5	65	1.51	1.15

