MFP (Week 1)

= Total Output / Multiple Inputs

= (300 units × TK 140 per unit) / [(6 workers × 40 hrs per week × TK 12 per labor hour) + 1.2 (6 workers × 40 hrs per week × TK 12 per labor hour) + (45 Kg × TK 3 per Kg)]

= 6.49 Tk output per Tk. input

MFP (Week 2)

= Total Output / Multiple Inputs

= (338 units × TK 140 per unit) / [(7 workers × 40 hrs per week × TK 12 per labor hour) + 1.2 (7 workers × 40 hrs per week × TK 12 per labor hour) + (46 Kg × TK 3 per Kg)]

= 6.28 Tk output per Tk. input

MFP (Week 3)

= Total Output Multiple Inputs

= (322 units × TK 140 per unit) / [(7 workers × 40 hrs per week × TK 12 per labor hour) + 1.2 (7 workers × 40 hrs per week × TK 12 per labor hour) + (46 Kg × TK 3 per Kg)]

= 5.98 Tk output per Tk. Input

Productivity Growth of Week 2 =

[(Current period productivity – Previous period productivity) / Previous period productivity] × 100 %

= [(6.28-6.49) / 6.49] × 100%

= - 3.236%

Productivity Growth of Week 3 =

[(Current period productivity – Previous period productivity) / Previous period productivity] × 100 %

= [(5.98-6.49) / 6.49] × 100%

= - 7.858%