

SHADOW CALCULATION

Mid Summers Day

Sun Rise 4.49

Sun Set 21.08

Therefore 12 noon to 21.08 = 9 Hrs

Shed / Sun angle has to be less than 24 Degrees to cast shadow in garden
See scale drawing

24 Degrees = 90 Degrees divide 9 = 10 Degrees/Hr

24 Degrees = 2.4 Hrs before sunset

So shadow greater than existing shed in neighbours garden will appear after
2 Hrs 24 mins before sunset, which is 7.36 p.m.

As the shadow in neighbours garden is already 5m, by then shadow will reach house
½ hour approximately after then at ground level. See drawing

As the hedge is approximately 3m it is a bit academic.