

CORRELATION BETWEEN OIL CONTENT AND 1000 KERNELS WEIGHT AND
THEIR NARROW SENCE HERITABILITY ON SUNFLOWER VARIETY (ZARJA),
IN DRY FARMING CONDITION

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The narrow sence heritability of oil content and 1000 kernels weight and correlation between these two characters were studied on sunflower families which were selected from ZARJA variety in dry farming condition. The correlation coefficient for two characters were calculated $r=0.346$ which is significant. The narrow sence heritability for oil content which is estimated 0.292, was calculated by finding COV between off-spring and one of the parents and using the equation; $b = \frac{1}{2} h_{ns}^2$. Narrow sence heritability for 1000 kernels weight was estimated $h_{ns}^2 = 0.51$ and correlation coefficient between 1000 kernels weight of off-spring and parent was significant. The study showed that 1000 kernels weight will come down by inheritance to the next generation about two times more than oil content.