

## **Summary**

Corn fodder variety testing took place in spring and summer 2022 in two locations: Kfar HaRif in the south-central area of Israel and Hula valley in the north district of Israel. This year we scanned 11 cultivars of corn, of which 2 new, 5 second and third year and 4 commercials. On table 1, specified the list of cultivars. The variety testing sown in the Kfar HaRif at mid of April, and the sprouting takes approximately a week. Hula valley field test sown at the end of June, and the sprouting takes approximately a week. The harvest was carried out by the phenology status of harvest ripening, between 90-93 days of growth. During the growth season we tracked the evolution of plants and phenology (date of flowering). At Harvest various plant indices tested and dry matter yield per hectare. Corn flowered on average 55 days from sprouting and harvest occurs an average of 93 days from sprouting.

All varieties generally yielded higher DM yield as can see in table 5. DM average yield of the test in Kfer Harif was higher than the test in Hula Valley and that can be explained by the time of sowing. The field test in Kfer Harif sown approximately 8 weeks before the test in Hula Valley, and we know that corn is very photoperiodic and how great it can influence on the DM yield.