

Here is what is coming up in the 2022 growth cycle next

February 6, 2021

Some of you have been wondering about the cycle we are approaching in this year's barley growth. You have heard us talk about coming out of the boot and flowering stages. Here you will see what that looks like.

We are currently in stage 4 and getting ready to enter stage 5 as a crop to harvest in Israel at this time. Remember I said a crop. You can have individual stalks and groups of stalks much earlier in the scale's stages than this, and much later in the scale stages as well. Those which are later are usually affected by one or more of the criteria which render them Biblically unacceptable for a holy wavesheaf offering.

Boot Cycle	
Flag leaf sheath extending	
Boot just beginning to swell (45 days)	
Boot swollen	
Flag leaf sheath opening	
First awns visible	
Head Emergence (58 days)	
First spikelet of head just visible	
One-fourth of head emerged	
Half of head emerged	
Three-fourths of head emerged	

Flag leaf sheaths are extending in most regions. In some the boot is swelling. That simply means the area of the stem or stalk which is actuality an embryo of sorts. This is the time in which the head is developing in it but has not seen the light of day yet. It is aphiyl: concealed/darkened.

In a week or two we will be seeing this stage coming on strong in most of the traditionally early acceptable grain growing locations. Following are a few pictures of what this stage looks like and how erratic it can appear with some in the boot, some out of the boot, and some just emerging. Pictures are from previous years.

In the first picture we have young wild barley in stages 4 and 5. In the second, we have domestic barley primarily in stage 4, with some just peeking out of the boot.



In this photo we have wild barley in both stages 4 and 5 of Zadok's scale. You can see some of the heads in the upper right which have little florets hanging onto them. This is called flowering. The plant is pollinating itself so the empty seed husks in the young heads can begin their life cycle to reproducing themselves.



For some of you new folks to this process, we have two photos of wild barley being challenged by tares, thorns, wild mustard, and a few more undesirable competitors for the nutrients in this soil.

In the first photo you can see thorns in the lower left; also, a chickweed variety extending its vines.

The wild mustard is at the rear of the barley in the middle of the photo.

Then we have the big version of Darnel to the lower right growing. Yes, these are Tares. Notice how they resemble the barley in the patch running across the center

of the photo. Note a very big difference in their characteristics: The young barley plants are bowing to their Creator, but the stiff-necked tares are not. It is impossible to discern between young Barley plants and young Tare plants until they come out of the boot. Only then can you see the difference, but by that time the roots are all intertwined. Pulling them would also uproot good barley plants as well. Thus, the parable comes to mind does it not? If you have not had a visual of it in the past, you do now.



Once again, we have another good photo showing two different varieties of Tares growing in the barley and the oats. The one type is obvious. It is the shorter plants bottom-center. However, look at center-left and you see a variety which actually imitate the barley bowing as it matures. And then there are the immature heads

which are green yet and starting their fake bow. Did you catch the domestic wheat in the background?



So, we hope these are helpful in getting a visual of the stages upcoming in the barley this month.

Later in the month we hope to have some pictures of this taking place this year from the Re'im area if all goes as planned.