

Durum Wheat DIIVA-PR trial survey

DIIVA-PR project questionnaire, Morocco

إستمارة مشروع DIIVA-PR بالمغرب

Farmer Name	Farmer 1	إسم الفلاح
Gender	-	الجنس
Age	-	السن
Rural commun	-	القروية الجماعة
District	-	الإقليم

Thank you for agreeing to be interviewed today. This interview is part of a study being conducted on trait preferences in this community. I want to make sure that you understand fully that this interview is voluntary and will remain confidential. My organization will not be using your name or the name of this community in any publication with the information that you share today. We hope that you will feel free to talk about your experiences and views. You are of course very free not to answer any of my questions and to end the interview whenever you like. However, I very much hope to complete the interview because your views and experiences are very important to us. We cannot promise that you and your community will benefit directly from this study, but the information that we are collecting will help to improve agricultural research and development activities in your country and in other countries. The main objective of DIIVA-PR project is integrating new varieties more robust and stable in the regions harshly affected by biotic and abiotic stresses due to climate change. Obtaining a precise opinions of farming communities has also a critical role to provide future directions for breeding.

يرجى البدء في المقابلات بالتالي: شكرا على موافقتك(ي) بإجراء المقابلة معي اليوم. هذه المقابلة هي جزء من هنا في هذا المجتمع. أريد أن أتأكد من أنك دراسة أجريت عن على تفضيلات السمات لمحصول القمح والشعير تفهم(ين) تماما أن هذه المقابلة طوعية وستظل سربة. لن تستخدم منظمتي اسمك أو اسم هذا المكان في أي



منشور يتضمن المعلومات التي تشاركها أو تشاركها اليوم. نأمل أن لا تتردد(ي) في الحديث عن خبراتك(ي)وآرائك(ي). أنت بالطبع حر(ة) جدا بعدم الرد على أي من أسئلتي وإنهاء المقابلة وقتما تشاء(ي). ومع ذلك، أمل كثيرا في إكمال المقابلة لأن آرائكم وخبراتكم مهمة جدا بالنسبة لنا. لايمكننا أن نعدكم بأنكم المعلومات التي نجمعها ستساعد على تحسين ومجتمعكم سيستفيدون مباشرة من هذه الدراسة، ولكن المعلومات التي نجمعها البحث الزراعي وأنشطة التطوير في بلدكم وفي بلدان أخرى.

يتمثل الهدف الرئيسي لمشروع ديفا في دمج أصناف جديدة أكثر قوة واستقرارًا في المناطق التي تتأثر بشدة بالضغوط الحيوية واللاأحيائية بسبب تغير المناخ. كما أن الحصول على آراء دقيقة عن المجتمعات الزراعية له دور حاسم في توفير اتجاهات مستقبلية في تنشئت الأصناف الزراعية.



Crops nor grown: التي تزرع عادة - Durum w - Bread wh - Barley - Lentil - Faba bea - Chickpea	الأصناف ا heat neat	Number of ha: عدد الهكتارات Education level: المستوى الدراسي	Principal F animals: پة	arm أهم الحيوان المرب	Number of people ن من الفلاحة Women number Men number	living from farm عدد الأفراد الذين يعيشون عدد الإناث عدد الذكور
Question 1	variety t what are	the name of the durum hat you sowed last seas you growing this seas ح الصلب الذي زرعته الموسم المن راع التي تزرعها هذا الموسم؟	son and on? ما هو صنف القم	•	ear, I planted Faraj a g many years ago. T ⊦ Faraj.	
Question 2		normally grow one varie lease explain. واحد أو اكثر؟ يرجى التوضيح.	I plant only two varieties au maximum wh		ximum which I	
Question 3	Wi	no decides which variet اصنف الذي سيتم زرعه؟		l always ded	cide which variety to	grow.
Question 4	trial? Ple	is your preferred variety ease explain المفضل لديك في التجربة ؟ رجاءً		•	Jabal more because productivity was hi ieties.	<u>-</u>
Question 5	the varie	es the new variety comp ety you normally grow? ف الجديد بالصنف الذي تزرعه عاد			riety is better than k ease resistance or p	



Question 6	What characteristics did you like in it? ما هي الخصائص التي إستحسنتها فيه ؟	The gain color and grain size of the new variety were better than any variety I have planted			
		before. It had a good productivity and resistant to diseases.			
Question	What is missing in this variety?	Diseases resistance			
7	ما هو الشيء الذي يفتقده النوع المختار ؟	مقاومة الأمراض الطفيلية ؟			
		Good Medium Bad			
		سيء متوسط جيد □ □ □ ﷺ Disease 1: Rus t			
		Disease I. Rust			
		Drought tolerance:			
		مقاومة الجفاف Good Medium Bad			
		سىء متوسط جيد			
		Heat tolerance:			
		مقاومة الجهد الحراري			
		Good Medium Bad			
		سيء متوسط جيد 🗆 🗆			
		Good Medium Bad سیء متوسط جید			
		• Grain size			
		• Grain color 🗱 🗆			
		Cooking quality			
		Straw amount \[\square\qquare\qquare\qquare\qquare\qquare\qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq			
		Cultin calan A			
		• Spike color 🐹 🗆			
		Other: I wish if Jabal can be more taller in order to give high quantities of straws.			
Question 8	What your wife thinks of that variety and why she likes or dislike it? ما رأي زوجتك في هذا النوع ولماذا تستحسنه أو لا تفضله ؟	My wife mixed the flour of Jabal with the flour of bread wheat variety Faiza (50%:50%). The mixture had given a sweet bread. She loved the color of Jabal flour.			



	At some later stage, we would like to hold discussions over the phone and face-to-face with your wife about her preferences with regards to these varieties (in particular culinary aspects as well as inthe-field traits). My female colleague will be in charge of these discussion. We want to know whether this is fine with you. في مرحلة لاحقة ، نود إجراء مناقشات عبر الهاتف ووجها في مرحلة لاحقة ، نود إجراء مناقشات عبد الأصناف (لا لوجه مع زوجتك حول تفضيلاتها فيما يتعلق بهذه الأصناف (لا سيما جوانب الطهي وكذلك السمات الموجودة في الحقل). سيكون زميلتي مسؤولة عن هذه المناقشة. نريد أن نعرف ما إذا كان هذا جيدًا معك	Yes, it is possible.
Question 9	Will you grow it again next year or the year after, even without the project support? If yes, please explain. If not, please explain why. هل سوف تزرعه في العام المقبل مرة أخرى أو في العام الذي يليه، حتى بدون دعم من المشروع ؟ إذا كانت الإجابة بنعم، رجاء التوضيح. إذا لم يكن كذلك، يرجى توضيح السبب.	This season, I planted Jabal and Zagharin2 and of course I will plant them next years without the project support.
Question 10	How do you normally get your seeds? كيف تحصل عادة على البذور ؟	Generally, I got the seeds from SONACOS Rommani
Question 11	What do you do with the harvest? If you sell it, at what price and where? If you eat it, in which form (bread, couscous, other)? ما الذي تفعله بمحصولك الزراعي ؟ قي حالة بيعه رجاء حدد ثمن ومكان البيع؟ وما هي الوصفات التي تحضرها إنطلاقا منه (خبز كسكس ,,,,,) ؟	I sell half of my harvest in Marchouch or Rommani Markets. Sometimes, I sell the seeds directly to the farmers living nearby. Generally, the prize goes from 250 to 350 MAD for the quintal. The remaining half is exploited in household living. We prepare different recipes: bread, Harsha, couscous, Msaman, cakes



Question 12	Did other farmers visit your field and what was their opinion? What were the opinions of men? And, of women? هل زار الفلاحة المجاورون حقل التجربة وما كانت وجهة نظر كل من الرجال والنساء على حدة؟	Yes, some farmers living nearby; only men; visited my field. They said that the size and the color of the grains of the new varieties were better compared to what they are growing. In fact, they liked the plant height, spike size and the color of grains.
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DIIVA-PR project questionnaire, Morocco

مشروع إ**ستمارة DIIVA-PR**بالمغرب

Farmer Name	Farmer 2	إسم الفلاح
Gender	-	الجنس
Age	-	السن
Rural commun	-	القروية الجماعة
District	-	الإقليم



Crops nor grown: لتي تزرع عادة - Sugar be	الأصناف ا et	Number of ha: عدد الهكتارات	Principal Farm animals: أهم الحيوان المربية		Number of people living from farm عدد الأفراد الذين يعيشون من الفلاحة	
- Durum w - Bread wh - Barley - Alfafa - Faba bea - Triticale	neat	Education level: المستوى الدراسي			Women number Men number	عدد الإثاث عدد الذكور
Question 1	variety t what are	the name of the durum hat you sowed last seas you growing this seas ح الصلب الذي زرعته الموسم المذ راع التي تزرعها هذا الموسم؟	ason and I planted Fa son? Saragola, V Marzak the		araj during the two last seasons and /itrico, Karim, Kanakis, Amjad, years before. This season, I am nly Zagharine-2 in 0.2 ha.	
Question 2	Do you normally grow one variety? Or more? Please explain. هل تزرع صنف واحد أو اكثر؟ يرجى التوضيح.		I was testing multiple varieties across many years, one variety per year, in order to find the most adaptative to my region. Currently, I am using only the variety Faraj (since 2 years) the most promising variety delivered by SONACOS.		er to find the rrently, I am e 2 years) the	
Question 3	Who decides which variety to grow? من الذي يقرر الصنف الذي سيتم زرعه؟			I decide my	self the name of the va	ariety.
Question 4	trial? Ple	is your preferred variety ease explain المفضل لديك في التجرية ؟ رجاءً			Zagharin-2 because o	
Question 5	the varie	es the new variety comp ety you normally grow? ف الجديد بالصنف الذي تزرعه عاد		normally an	ence between what I w nd the new variety in te pike size, grain size dis	erm of yield,



Question 6	What characteristics did you like in it? التي إستحسنتها فيه ؟	The new variety Zagharine-2 as well as some other lines (Icaverve, Nachit, Dirajihane and Louiza) are characterized by high yield and biomass. They had also short cycle (early) and they are resistant to many diseases such as leaf rust, yellow rust and Fusarium culmorum. They have also a good size of grain and the color was really wonderful.		
Question 7	What is missing in this variety? ما هو الشيء الذي يفتقده النوع المختار ؟	Diseases resistance مقاومة الأمراض الطفيلية ؟ Good Medium Bad		
		سيء متوسط جيد • Disease 1: Rust		
		Drought tolerance: مقاومة الجفاف		
		معومه البعاث Good Medium Bad س <i>يء</i> متوسط جيد □ □		
		Heat tolerance: مقاومة الجهد الحراري Good Medium Bad سيء متوسط جيد ال		
		Good Medium Bad س <i>يء</i> متوسط جيد		
		• Grain size 😹 🖂 🖂		
		• Grain color 🐃 🗆 🗆		
		Cooking quality □ □ □		
		◆ Straw amount □ □ □ □		
		Spike color		
		Other: I see that nothing is missing in Zagharine-2. I must only test its cooking quality		



Question 8	What your wife thinks of that variety and why she likes or dislike it? ما رأي زوجتك في هذا النوع ولماذا تستحسنه أو لا تفضله ؟	My two wives tested the bread made from Zagharine-2, Faraj and Achtar (Bread wheat variety). They truly loved the fouler color of Zagharine-2 variety and the of the bread taste.
	At some later stage, we would like to hold discussions over the phone and face-to-face with your wife about her preferences with regards to these varieties (in particular culinary aspects as well as inthe-field traits). My female colleague will be in charge of these discussion. We want to know whether this is fine with you. أفي مرحلة لاحقة ، نود إجراء مناقشات عبر الهاتف ووجها فيما يتعلق بهذه الأصناف (لا لوجه مع زوجتك حول تفضيلاتها فيما يتعلق بهذه الأصناف (لا سيما جوانب الطهي وكذلك السمات الموجودة في الحقل). ستكون زميلتي مسؤولة عن هذه المناقشة. نريد أن نعرف ما إذا كان هذا جيدًا معك	Yes, it is possible.
Question 9	Will you grow it again next year or the year after, even without the project support? If yes, please explain. If not, please explain why. هل سوف تزرعه في العام المقبل مرة أخرى أو في العام الذي يليه، حتى بدون دعم من المشروع ؟ إذا كانت الإجابة بنعم، رجاء التوضيح. إذا لم يكن كذلك، يرجى توضيح السبب.	Of course, I will plant it in the next years in order to multiplate the seeds sufficient for a big surface. I already started this season the multiplication by planting Zagharine-2 in 0.2 ha.
Question 10	How do you normally get your seeds? كيف تحصل عادة على البذور ؟	I got the seeds from SONACOS at Fkih Ben Salah.



Question 11	What do you do with the harvest? If you sell it, at what price and where? If you eat it, in which form (bread, couscous, other)? ما الذي تفعله بمحصولك الزراعي ؟ قي حالة بيعه رجاء حدد ثمن ومكان البيع؟ وما هي الوصفات التي تحضرها إنطلاقا منه (خبز كسكس ,,,,,) ؟	I sell about 70% of my harvest as I don't have domesticated animals in Fkih ben Salah or Bani Mellal markets. Sometimes, I sell it directly to some farmers living nearby. The prices can go from 300 to 350 Dhs. The remaining 30% is exploited in household living preparing bread, coscous, Msaman, cakes
Question 12	Did other farmers visit your field and what was their opinion? What were the opinions of men? And, of women? هل زار الفلاحة المجاورون حقل التجربة وما كانت وجهة نظر كل من الرجال والنساء على حدة؟	Yes, the experiment was visited by other farmers, only men, that they really loved the size and the color of the spikes and the grains of some varieties. At the end of the visit, they request to have quantities of those new lines. I provided some quantities of two or three lines, for some of them after the harvest.



مشروع إستمارة DIIVA-PR project questionnaire, Morocco بالمغرب

Farmer Name	Farmer 3	إسم الفلاح
Gender	-	الجنس
Age	-	السن
Rural commun	-	القروية الجماعة
District	-	الإقليم



Crops normally grown: الأصناف التي تزرع عادة		Number of ha: عدد الهكتارات	Principal Farm animals:		Number of people living from farm عدد الأفراد الذين يعيشون من الفلاحة	
- Durum w - Bread wh - Barley - Triticale - Lentil - Faba bea	neat	Education level: المستوى الدراسي			Women number Men number	عدد الإناث عدد الذكور
Question 1						
Question 2		normally grow one varie Please explain. واحد أو اكثر؟ يرجى التوضيح.		I plant normally one variety. I have as well to plant other important crops such barley, bread wheat and faba bean.		
Question 3	Who decides which variety to grow? من الذي يقرر الصنف الذي سيتم زرعه؟			I choose it r	nyself.	
Question 4	Mhat was your preferred variety in the trial? Please explain ما هو نوع القمح المفضل لديك في التجربة ؟ رجاءً التفسير لماذا؟		•	Jabal more because o high productivity, co ies.		
Question 5	the varie	es the new variety comp ety you normally grow? ف الجديد بالصنف الذي تزرعه عاد	karim or Marzak		better than	
Question 6	What ch	aracteristics did you lik) التي إستحسنتها فيه ؟		disease; es	d spike's size, resista pecially rust. Furthern lor are the good quali e growing.	more, the grain



Question	What is missing in this variety?	Diseases resistance
7	ما هو الشيء الذي يفتقده النوع المختار ؟	مقاومة الأمراض الطفيلية ؟
		Good Medium Bad
		سيء متوسط جيد
		Disease 1: Rust
		Drought tolerance: قاومة الجفاف
		Good Medium Bad
		سيء متوسط جيد
		Heat tolerance:
		مقاومة الجهد الحراري Good Medium Bad
		سيء متوسط جيد
		Good Medium Bad سیء متوسط جید
		• Grain size
		• Grain color 🛤 🗆 🗆
		Cooking quality □ □ □
		• Straw amount 💢 🗆 🗆
		Spike color
		Other: I think what is missing this new variety is to be rather early.
		lo to be ruller dury.
Ouestion	What your wife thinks of that variety and	My wife didn't use this new variety, but we will
8	what your whe thinks of that variety and why she likes or dislike it? ما رأي زوجتك في هذا النوع ولماذا تستحسنه أو لا تفضله ؟	My wife didn't use this new variety, but we will try to make some recipes from Jabal in future.



	At some later stage, we would like to hold discussions over the phone and face-to-face with your wife about her preferences with regards to these varieties (in particular culinary aspects as well as inthe-field traits). My female colleague will be in charge of these discussion. We want to know whether this is fine with you. في مرحلة لاحقة ، نود إجراء مناقشات عبر الهاتف ووجها لوجه مع زوجتك حول تفضيلاتها فيما يتعلق بهذه الأصناف (لا لوجه مع زوجتك حول تفضيلاتها فيما يتعلق بهذه الأصناف (لا سيما جوانب الطهي وكذلك السمات الموجودة في الحقل). ستكون زميلتي مسؤولة عن هذه المناقشة. نريد أن نعرف ما إذا كان هذا جيدًا معك	Not sure
Question 9	Will you grow it again next year or the year after, even without the project support? If yes, please explain. If not, please explain why. هل سوف تزرعه في العام المقبل مرة أخرى أو في العام الذي يليه، حتى بدون دعم من المشروع ؟ إذا كانت الإجابة بنعم، رجاء التوضيح. إذا لم يكن كذلك، يرجى توضيح السبب.	Yes, I will plant it next seasons even without the support from the project.
Question 10	How do you normally get your seeds? كيف تحصل عادة على البذور ؟	I got the seeds from SONACOS Rommani or from farmers living nearby who grow the seeds only for two years.
Question 11	What do you do with the harvest? If you sell it, at what price and where? If you eat it, in which form (bread, couscous, other)? ما الذي تفعله بمحصولك الزراعي ؟ في حالة بيعه رجاء حدد ثمن ومكان البيع؟ وما هي الوصفات التي تحضرها إنطلاقا منه (خبز كسكس ,,,,,) ؟	I sale few quantities of my harvest and I store the majority to food my family as well to feed my animals. I think that Marchouch and Rommani markets are the only destination to sale my products. The price goes from 250 to 350 MAD for one quintal. We prepare different recipes: Bread, Harsha, couscous, Msaman, cakes



Question 12	Did other farmers visit your field and what was their opinion? What were the opinions of men? And, of women? هل زار الفلاحة المجاورون حقل التجربة وما كانت وجهة نظر هم ؟ وما كانت وجهة نظر كل من الرجال والنساء على حدة؟	



DIIVA-PR project questionnaire, Morocco

إستمارة مشروع DIIVA-PR بالمغرب

Farmer Name	Farmer 4	إسم الفلاح
Gender	-	الجنس
Age	-	السن
Rural commun	-	القروية الجماعة
District	-	الإقليم



Crops normally grown: الأصناف التي تزرع عادة - Onion - Potatoes - Barley - Bread wheat - Durum wheat		Number of ha: عدد الهكتارات Education level: المستوى الدراسي	Principal F animals: قية	arm أهم الحيوان المرب	Number of people livin پشون من الفلاحة Women number Men number	ng from farm عدد الأفراد الذين يع عدد الإناث عدد الذكور
Question 1	variety t what are	the name of the durum hat you sowed last seas e you growing this seas ح الصلب الذي زرعته الموسم المذ راع التي تزرعها هذا الموسم؟	ason and I am alway son? many year durum whe		rays planting one variety Karim for ears. In this season, I am not planting wheat.	
Question 2	•	Do you normally grow one variety? Or more? Please explain. هل تزرع صنف واحد أو اكثر؟ يرجى التوضيح.		Generally, I was growing one variety for many years, but recently I started to plant multiple varieties. This initiative was done through some friends from agricultural centers of Meknes.		t multiple hrough
Question 3	Who decides which variety to grow? من الذي يقرر الصنف الذي سيتم زرعه؟		I chose the friends.	variety with the help of	some	
Question 4	trial? Ple	was your preferred variety in the Please explain ما هو نوع القمح المفضل لديك في التجربة ؟ رجاءً التفس لماذا؟		full and its l	Zagharin-2 because the height is taller compare urthermore, the straw a	d to other
Question 5	the varie	es the new variety comp ety you normally grow? ف الجديد بالصنف الذي تزرعه عاد			es we normally grow had low productivity compa	



Question 6	What characteristics did you like in it? ما هي الخصائص التي إستحسنتها فيه ؟	The new variety Zagharin-2 had very good
· ·	نه بي اعتماعي التي إستانتها كيد .	spike size, large size and resistant to disease. the straws amount is as well high.
Question 7	What is missing in this variety? ما هو الشيء الذي يفتقده النوع المختار ؟	Diseases resistance مقاومة الأمراض الطفيلية ؟
,	ند بو اسيء الي پيسان الورغ الدسان ا	Good Medium Bad
		سيء متوسط جيد • Disease 1: Rust
		Drought tolerance: مقاومة الجفاف
		Good Medium Bad
		سيء متوسط جيد
		Heat tolerance:
		مقاومة الجهد الحراري Good Medium Bad
		سيء متوسط جيد 🗀 🗀
		Good Medium Bad سدره مته سط حدد
		Good Medium Bad سيء متوسط جيد • Grain size ﷺ
		سيء متوسط جيد — خلاف Grain size
		سيء متوسط جيد Grain size Grain color Cooking quality
		 Grain size Grain color Cooking quality Straw amount
		• Grain size جيد • Grain color • Cooking quality • Cooking train color • Cooking quality • Cooking quality
		 Grain size Grain color Cooking quality Straw amount
Question	What your wife thinks of that variety and	Grain size Grain color Cooking quality Straw amount Spike color Other: I think nothing is missed with this new
Question 8	What your wife thinks of that variety and why she likes or dislike it? ما رأي زوجتك في هذا النوع ولماذا تستحسنه أو لا تفضله ؟	Grain size Grain color Cooking quality Straw amount Spike color Other: I think nothing is missed with this new



	At some later stage, we would like to hold discussions over the phone and face-to-face with your wife about her preferences with regards to these varieties (in particular culinary aspects as well as inthe-field traits). My female colleague will be in charge of these discussion. We want to know whether this is fine with you. في مرحلة لاحقة ، نود إجراء مناقشات عبر الهاتف ووجها في مرحلة لاحقة ، نود إجراء مناقشات بهذه الأصناف (لا لوجه مع زوجتك حول تفضيلاتها فيما يتعلق بهذه الأصناف (لا سيما جوانب الطهي وكذلك السمات الموجودة في الحقل). ستكون زميلتي مسؤولة عن هذه المناقشة. نريد أن نعرف ما	Yes, it is possible.
Question 9	Will you grow it again next year or the year after, even without the project support? If yes, please explain. If not, please explain why. هل سوف تزرعه في العام المقبل مرة أخرى أو في العام الذي يليه، حتى بدون دعم من المشروع ؟ إذا كانت الإجابة بنعم، رجاء التوضيح. إذا لم يكن كذلك، يرجى توضيح السبب.	Yes, I will plant it in the next years without the project support for two raisons. First, I believe that the new variety will help better in my family sustenance, likewise to feed my animals. Secondly, I want like to share some quantities of Zagnarin-2 with farmers living nearby as they believe also in its success in the region.
Question 10	How do you normally get your seeds? کیف تحصل عادة علی البذور ؟	I was getting the seeds from SONACOS center at Temahdit, but I found that the percentage of seeds germination was very low. Now, I got the seeds from the market (Souk) at Tamahdit or I use the seeds of the last season.
Question 11	What do you do with the harvest? If you sell it, at what price and where? If you eat it, in which form (bread, couscous, other)? ما الذي تفعله بمحصولك الزراعي ؟ في حالة بيعه رجاء حدد ثمن ومكان البيع؟ وما هي الوصفات التي تحضرها إنطلاقا منه (خبز كسكس ,,,,,) ؟	Generally, all my harvest is used for my household living or stored to replanted in the next season. In few cases, I sell small quantities for buying some products needed. We prepare especially bread and couscous.



Question 12	Did other farmers visit your field and what was their opinion? What were the opinions of men? And, of women? هل زار الفلاحة المجاورون حقل التجربة وما كانت وجهة نظر كل من الرجال والنساء على حدة؟	Yes, it was visited by few farmers living nearby, only men. They loved the spike size and the grain size of some varieties. They asked me to provide them the seeds of some lines.
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استمارة مشروع DIIVA-PR project questionnaire, Morocco بالمغرب DIIVA-PR

Farmer Name	Farmer 5	إسم الفلاح
Gender	-	الجنس
Age	-	السن
Rural commun	-	القروية الجماعة
District	-	الإقليم



Crops nor grown: لتي تزرع عادة - Apples	•	Number of ha: عدد الهكتارات	Principal F animals: ية	arm أهم الحيوان المري	Number of people liv ثنون من الفلاحة	ing from farm عدد الأفراد الذين يعين
- Onion - Potatoes - Peach - Barley - Bread wh	neat	Education level: المستوى الدراسي			Women number Men number	عدد الإثاث عدد الذكور
Question 1	What is variety the what are	the name of the durum hat you sowed last seas you growing this seas ح الصلب الذي زرعته الموسم المن راع التي تزرعها هذا الموسم؟	son and on? ما هو صنف القم	season, I an	nrim on the last seasor n not planting durum v oread wheat.	
Question 2		normally grow one varie lease explain. واحد أو اكثر؟ يرجى التوضيح.	Mostly, I use		ed only one variety (ka	arim)
Question 3	n Who decides which variety to grow? من الذي يقرر الصنف الذي سيتم زرعه؟		I chose the farmers.	variety with the help o	f some	
Question 4	trial? Ple	s your preferred variety ease explain المفضل لديك في التجربة ؟ رجاءً	-		Jabal (Nachit also per tivity, spike size and th high.	•
Question 5	the varie	es the new variety comp ety you normally grow? ف الجديد بالصنف الذي تزرعه عاد		very sensiti which looke especially o	ce between Karim whi ve to many diseases a ed very robust to harsh old and drought. Then n time of flowering.	nd Jabal n conditions



Question 6	What characteristics did you like in it? ما هي الخصائص التي إستحسنتها فيه ؟	The new variety Jabal had a very good spike/grain size and it was flowered early.
Question 7	What is missing in this variety? ما هو الشيء الذي يفتقده النوع المختار ؟	Diseases resistance مقاومة الأمراض الطفيلية ؟ Good Medium Bad سىء متوسط جيد
		• Disease 1: Rust
		Drought tolerance: مقاومة الجفاف
		Good Medium Bad
		س <i>ي</i> ء متوسط جيد
		Heat tolerance:
		مقاومة الجهد الحراري Good Medium Bad سيء متوسط جبد □ □
		Good Medium Bad س <i>يء</i> متوسط جيد
		• Grain size
		• Grain color 💢 🗆 🖂
		Cooking quality □ □ □
		Straw amount □ □ □ □
		Spike color
		Other: The height of Jabal was slightly short. I hope if it can be more taller.
Question 8	What your wife thinks of that variety and why she likes or dislike it? ما رأي زوجتك في هذا النوع ولماذا تستحسنه أو لا تفضله ؟	Unfortunately, we did not evaluate its bread quality. I will try to get my grandmother views as I not currently married.



	At some later stage, we would like to hold discussions over the phone and face-to-face with your wife about her preferences with regards to these varieties (in particular culinary aspects as well as inthe-field traits). My female colleague will be in charge of these discussion. We want to know whether this is fine with you. في مرحلة لاحقة ، نود إجراء مناقشات عبر الهاتف ووجهاً لوجه مع زوجتك حول تفضيلاتها فيما يتعلق بهذه الأصناف (لا سيما جوانب الطهي وكذلك السمات الموجودة في الحقل).	Yes, it is possible (with his grandmother)
Question 9	Will you grow it again next year or the year after, even without the project support? If yes, please explain. If not, please explain why. هل سوف تزرعه في العام المقبل مرة أخرى أو في العام الذي يليه، حتى بدون دعم من المشروع ؟ إذا كانت الإجابة بنعم، يليه، حتى بدون دعم من المشروع . إذا كانت الإجابة بنعم، رجاء التوضيح. إذا لم يكن كذلك، يرجى توضيح السبب.	Of course, I will plant it in the next years without the project support. During this season, I planted around 0.2 ha of Jabal and Nachit. I will try not to miss this new variety in my cropping system.
Question 10	How do you normally get your seeds? كيف تحصل عادة على البذور ؟	I got the seeds from SONACOS center at Boumia or Midelt.
Question 11	What do you do with the harvest? If you sell it, at what price and where? If you eat it, in which form (bread, couscous, other)? ما الذي تفعله بمحصولك الزراعي ؟ قي حالة بيعه رجاء حدد ثمن ومكان البيع؟ وما هي الوصفات التي تحضرها إنطلاقا منه (خبز كسكس ,,,,,) ؟	Generally, I am not selling my harvest. I use it in my household living because the yield remains very limited due to the sever conditions, especially drought. In fact, I store the seeds to replanted in the next season. We prepare several recipes bread, couscous, Msaman, cakes, Harsha etc.



Question 12	Did other farmers visit your field and what was their opinion? What were the opinions of men? And, of women? هل زار الفلاحة المجاورون حقل التجربة وما كانت وجهة نظر كل من الرجال والنساء على حدة؟	Yes, the last experiment was visited by few ONCA technicians, only men. They really loved the size and the color of the spikes and the grains. They were sure that these varieties will perform more much better than the current released varieties of durum wheat.
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DIIVA-PR project questionnaire, Morocco

مشروع إستمارة PR-DIIVAبالمغرب

Farmer Name	Farmer 6	إسم الفلاح
Gender	-	الجنس
Age	-	السن
Rural commun	-	القروية الجماعة
District	-	الإقليم



Crops normally grown: الأصناف التي تزرع عادة - Potatoes - Barley - Bread wheat - Durum wheat - Faba bean		Number of ha: عدد الهكتارات Education level: المستوى الدراسي	Principal Farm animals: أهم الحيوان المربية		Number of people livin یشون من الفلاحة Women number Men number	ng from farm عدد الأفراد الذين يع عدد الإناث عدد الذكور
Question 1	الله الله الله الله الله الله الله الله		l was planti	ng Karim in the last five	e seasons.	
Question 2	Do you normally grow one variety? Or more? Please explain. هل تزرع صنف واحد أو اكثر؟ يرجى التوضيح.		Generally, I used only one variety (karim).		(karim).	
Question 3	Who decides which variety to grow? من الذي يقرر الصنف الذي سيتم زرعه؟		It is me who	choose the variety		
Question 4	What was your preferred variety in the trial? Please explain ما هو نوع القمح المفضل لديك في التجربة ؟ رجاءً التفسير لماذا؟			Zagharin2 because of ain color. The spikes we filled.	•	
Question 5	How does the new variety compare with the variety you normally grow? كيف يقارن الصنف الجديد بالصنف الذي تزرعه عادة ؟		diverse dise the new var as Jabal; we	Karim became very ser ease in particular rust. I iety Zagharin2; and oth ere highly tolerant to ru Karim was the only va	Nevertheless, er lines such est. In the last	
Question 6	What characteristics did you like in it? ما هي الخصائص التي إستحسنتها فيه ؟		and the grai	of Zagharin2 were com in were large with a goo nt was also high.		



Question	What is missing in this variety?	Diseases resistance
7	ما هو الشيء الذي يفتقده النوع المختار ؟	مقاومة الأمراض الطفيلية ؟
		Good Medium Bad
		سيء متوسط جيد
		• Disease 1: Rust 💢 🗆 🖂
		Drought tolerance: مقاومة الجفاف
		Good Medium Bad
		سيء متوسط جيد
		Heat tolerance:
		مقاومة الجهد الحراري Good Medium Bad
		سيء متوسط جيد 🗆 🗆
		Good Medium Bad
		سيء متوسط جيد
		◆ Grain size
		Cooking quality □ □ □ Straw amount □ □
		Spike color
		Other: I think nothing is missing for this new variety.
Question 8	What your wife thinks of that variety and why she likes or dislike it? ما رأي زوجتك في هذا النوع ولماذا تستحسنه أو لا تفضله ؟	Unfortunately, she did not exanimate it.



	At some later stage, we would like to hold discussions over the phone and face-to-face with your wife about her preferences with regards to these varieties (in particular culinary aspects as well as inthe-field traits). My female colleague will be in charge of these discussion. We want to know whether this is fine with you. It is not a comparable to the property of the property	Yes, it is possible but let me confirm the request with my wife.
Question 9	Will you grow it again next year or the year after, even without the project support? If yes, please explain. If not, please explain why. هل سوف تزرعه في العام المقبل مرة أخرى أو في العام الذي يليه، حتى بدون دعم من المشروع ؟ إذا كانت الإجابة بنعم، يرجاء التوضيح. إذا لم يكن كذلك، يرجى توضيح السبب.	Yes, I will plant it in the next years without the project support in order to test the quality of flour and the diverse recipes (bread, Batbout, Malwi,) that we can make from Zagharin-2.
Question 10	How do you normally get your seeds? كيف تحصل عادة على البذور ؟	I got the seeds from SONACOS center at Tamalalt.



Question 11	What do you do with the harvest? If you sell it, at what price and where? If you eat it, in which form (bread, couscous, other)? ما الذي تفعله بمحصولك الزراعي ؟ قي حالة بيعه رجاء حدد ثمن ومكان البيع؟ وما هي الوصفات التي تحضرها إنطلاقا منه (خبز كسكس ,,,,,) ؟	I use the harvest for my household living and I store the seeds that will be replanted in thenext season. I sell about 40% pf my harvest in Tamalalt market when the price exceeds 300 dirhams for one quintal. We prepare several recipes bread, coscous, Msaman, Batbout, Harsha etc.
Question 12	Did other farmers visit your field and what was their opinion? What were the opinions of men? And, of women? هل زار الفلاحة المجاورون حقل التجربة وما كانت وجهة نظر كل من الرجال والنساء على حدة؟	Yes, it was visited by some farmers, only men. They really loved the size and the color of the spikes and the grains particularly of Jabal, Zagharin2. At the end of the visit, they were very interested to have the seeds of these two varieties.



استمارة مشروع DIIVA-PR project questionnaire, Morocco بالمغرب DIIVA-PR

Farmer Name	Farmer 7	إسم الفلاح
Gender	-	الجنس
Age	-	السن
Rural commun	-	القروية الجماعة
District	-	الإقليم



Crops nor grown: التي تزرع عادة - Durum w - Bread wh - Barley - Lentil - Faba bea - Chickpea	الأصناف ا heat neat	Number of ha: عدد الهكتارات Education level: المستوى الدراسي	Principal F animals: پة	arm أهم الحيوان المرب	Number of people livi شون من الفلاحة Women number Men number	ing from farm عدد الأفراد الذين يعين عدد الإتاث عدد الذكور
Question 1						
Question 2		normally grow one varie Please explain. واحد أو اكثر؟ يرجى التوضيح.		more variet	varieties au maximum. ies, but I have to keep r barley and bread whe	some
Question 3	WI	no decides which variet لصنف الذي سيتم زرعه؟		I always cho sun.	oose the varieties with	the help my
Question 4	trial? Ple	is your preferred variety ease explain و المفضل لديك في التجرية ؟ رجاءً			Jabal more as it has a g productivity was high ies.	



Question 5	How does the new variety compare with the variety you normally grow? كيف يقارن الصنف الجديد بالصنف الذي تزرعه عادة ؟	For me, the new variety Jabal is better than karim or Marzak
Question 6	What characteristics did you like in it? ما هي الخصائص التي إستحسنتها فيه ؟	It has a good spike's size, resistance to disease; especially rust, the most famous at the region and a good color of grains.
Question 7	What is missing in this variety? ما هو الشيء الذي يفتقده النوع المختار ؟	Diseases resistance مقاومة الأمراض الطفيلية ؟
		Good Medium Bad
		سيء متوسط جيد • Disease 1: Rust 🙀 □ 🖂
		Drought tolerance: مقاومة الجفاف
		معاومه الجفات Good Medium Bad سيء متوسط جيد □ □
		Heat tolerance: مقاومة الجهد الحراري
		Good Medium Bad
		Good Medium Bad س <i>يء</i> متوسط جيد
		• Grain size 😹 🖂
		• Grain color 🗱 🗆 🖂
		• Cooking quality 😫 🖂 🖂
		• Straw amount 🗆 🗱 🗆
		• Spike color 🎎 🗆 🖂
		Other: I wish if Jabal can be more taller in order to gives higher quantities of straws because I remarked that the same quantity can be achieved by using Karim.



Question 8	What your wife thinks of that variety and why she likes or dislike it? ما رأي زوجتك في هذا النوع ولماذا تستحسنه أو لا تفضله ؟	My wife mixed the flour of Jabal and a bread wheat variety. The mixture was given a very sweet bread. The taste was definitely good. She really loved the color of Jabal flour.
	At some later stage, we would like to hold discussions over the phone and face-to-face with your wife about her preferences with regards to these varieties (in particular culinary aspects as well as inthe-field traits). My female colleague will be in charge of these discussion. We want to know whether this is fine with you. be in charge of these discussion. We want to know whether this is fine with you. is a nearly least of the particular	Yes, it is possible.
Question 9	Will you grow it again next year or the year after, even without the project support? If yes, please explain. If not, please explain why. هل سوف تزرعه في العام المقبل مرة أخرى أو في العام الذي يليه، حتى بدون دعم من المشروع ؟ إذا كانت الإجابة بنعم، رجاء التوضيح. إذا لم يكن كذلك، يرجى توضيح السبب.	This season, I planted Jabal as I am interested to increase the area for the next season. So, I will keep multiplying this variety ever without the project support. We were looking for varieties like Jabal that minimize the impact of the frequent drought and diseases. We are waiting its release and appearance by Sonacos or any other center.
Question 10	How do you normally get your seeds? کیف تحصل عادة علی البذور ؟	I got the seeds from SONACOS Rommani or from farmers living nearby who grow the seeds only for one year.



Question 11	What do you do with the harvest? If you sell it, at what price and where? If you eat it, in which form (bread, couscous, other)? ما الذي تفعله بمحصولك الزراعي؟ في حالة بيعه رجاء حدد ثمن ومكان البيع؟ وما هي الوصفات التي تحضرها إنطلاقا منه (خبز كسكس ,,,,,) ؟	I sell half of my harvest in Marchouch or Rommani Markets. Sometimes, I sell the seeds directly to the farmers living nearby. The price is always changing related particularly to the supply and demand. Generally, it goes from 200 to 350 MAD for one quintal. The remaining half is exploited in household living. We prepare different recipes: bread, Harsha, couscous, Msaman, cakes
Question 12	Did other farmers visit your field and what was their opinion? What were the opinions of men? And, of women? هل زار الفلاحة المجاورون حقل التجربة وما كانت وجهة نظر كل من الرجال والنساء على حدة؟	Yes, the farmers living nearby; only men; had visited my field many times and they loved in particularly Nachit and Jabal. They said that the size and the color of the grains were better compared to what they were growing. They liked as well the height and the spike size of these two varieties.



مشروع إستمارة DIIVA-PR project questionnaire, Morocco بالمغرب

Farmer Name	Farmer 8	إسم الفلاح
Gender	-	الجنس
Age	-	السن
Rural commun	-	القروية الجماعة
District	<u>-</u>	الإقليم



Crops nor grown: التي تزرع عادة - Durum w - Bread wh - Barley - Faba bea - Chickpea	الأصناف ا heat neat	Number of ha: عدد الهكتارات Education level: المستوى الدراسي	Principal F animals: ئية	arm أهم الحيوان المري	Number of people liv مون من الفلاحة Women number Men number	ring from farm عدد الأفراد الذين يعيش عدد الإناث عدد الإناث
Question 1						
Question 2	on Do you normally grow one variety? Or more? Please explain. هل تزرع صنف واحد أو اكثر؟ يرجى التوضيح.		Normally, I plant one variety per year.			
Question 3	Who decides which variety to grow? من الذي يقرر الصنف الذي سيتم زرعه؟				er taking the	
Question 4	trial? Ple	is your preferred variety ease explain المفضل لديك في التجرية ؟ رجاءً			Nachit more because of productivity.	of its spike's



Question 5	How does the new variety compare with the variety you normally grow? كيف يقارن الصنف الجديد بالصنف الذي تزرعه عادة ؟	The new variety Nachit is better than karim or Faraj in term of disease resistance and productivity.
Question 6	What characteristics did you like in it? ما هي الخصائص التي إستحسنتها فيه ؟	The gain color and grain size of the new variety were better than any variety I have planted before. It had also a good productivity and the amount of the straws was high.
Question	What is missing in this variety?	Diseases resistance
7	ما هو الشيء الذي يُفتقده النوع المختار ؟	مقاومة الأمراض الطفيلية ؟ Good Medium Bad
		سىء متوسط جيد
		• Disease 1: Rust 🙀 🗆 🗖
		Drought tolerance:
		مقاومة الجفاف
		Good Medium Bad س <i>ي</i> ء متوسط <u>جي</u> د
		Heat tolerance:
		مقاومة الجهد الحراري Good Medium Bad
		سيء متوسط جيد ا
		Good Medium Bad
		سيء متوسط جيد
		Grain size
		Grain color
		Cooking quality
		Straw amount
		• Spike color 🛣 🗆 🗆
		Other: I think nothing is missing.



Question 8	What your wife thinks of that variety and why she likes or dislike it? ما رأي زوجتك في هذا النوع ولماذا تستحسنه أو لا تفضله ؟	My wife loved like this new variety especially its flour color. The bread taste/density were better than what she was used normally.
	At some later stage, we would like to hold discussions over the phone and face-to-face with your wife about her preferences with regards to these varieties (in particular culinary aspects as well as inthe-field traits). My female colleague will be in charge of these discussion. We want to know whether this is fine with you. I في مرحلة لاحقة ، نود إجراء مناقشات عبر الهاتف ووجها في مرحلة لاحقة ، نود إجراء مناقشات عبر الهاتف (لا لوجه مع زوجتك حول تفضيلاتها فيما يتعلق بهذه الأصناف (لا سيما جوانب الطهي وكذلك السمات الموجودة في الحقل).	Yes, it is possible.
Question 9	Will you grow it again next year or the year after, even without the project support? If yes, please explain. If not, please explain why. هل سوف تزرعه في العام المقبل مرة أخرى أو في العام الذي يليه، حتى بدون دعم من المشروع ؟ إذا كانت الإجابة بنعم، رجاء التوضيح. إذا لم يكن كذلك، يرجى توضيح السبب.	Surely, I will plant it next years without the project support as I need to follow its stability over the years.
Question 10	How do you normally get your seeds? كيف تحصل عادة على البذور ؟	The majority of seeds are obtained from famers living nearby or from the market (souk) at Marchouch.



Question 11	What do you do with the harvest? If you sell it, at what price and where? If you eat it, in which form (bread, couscous, other)? ما الذي تفعله بمحصولك الزراعي ؟ قي حالة بيعه رجاء حدد ثمن ومكان البيع؟ وما هي الوصفات التي تحضرها إنطلاقا منه (خبز كسكس ,,,,,) ؟	I sell half of my harvest in Marchouch or Rommani Markets and sometimes directly to farmers living nearby. The prize goes from 200 to 350 MAD for the quintal. The remaining half is exploited in household living. We prepare especially bread, couscous
Question 12	Did other farmers visit your field and what was their opinion? What were the opinions of men? And, of women? هل زار الفلاحة المجاورون حقل التجربة وما كانت وجهة نظر كل من الرجال والنساء على حدة؟	Yes, the farmers living nearby; only men; had visited my field. They loved the size and the color of the grains/spikes of some varieties.



DIIVA-PR project questionnaire, Morocco

مشروع إستمارة DIIVA-PRبالمغرب

Farmer Name	Farmer 9	إسم الفلاح
Gender	-	الجنس
Age	-	السن
Rural commun	-	القروية الجماعة
District	-	الإقليم



Crops nor grown: التي تزرع عادة - Durum w - Bread wh - Barley - Lentil - Faba bea - Chickpea	الأصناف ا heat neat	Number of ha: عدد الهكتارات Education level: المستوى الدراسي	Principal F animals: ية	arm أهم الحيوان المرب	Number of people liv مون من الفلاحة Women number Men number	ing from farm عدد الأفراد الذين يعيث عدد الإناث عدد الإناث عدد الذكور
Question 1	What is variety t	the name of the durum hat you sowed last seas you growing this seas ح الصلب الذي زرعته الموسم المذ راع التي تزرعها هذا الموسم؟	ason and son? Faraj and Li Karim from ما هو صنف القمح هو النوع أو الأنوا		t season, I planted two varieties Luiza. I plant similarly the variety time to time. n, I am planting Luiza.	
Question 2	Do you normally grow one variety? Or more? Please explain. هل تزرع صنف واحد أو اكثر؟ يرجى التوضيح.		looking the	grow one to two varied best and to discover t e of the news varieties	:he	
Question 3	Who decides which variety to grow? من الذي يقرر الصنف الذي سيتم زرعه؟		my two sun They are be the quality o	pose the varieties with s who are working with the acquainted with the fiverse varieties riority to select the be	h ICARDA. ne name and s, so I prefer to	
Question 4	trial? Ple	s your preferred variety ease explain المفضل لديك في التجرية ؟ رجاءً	I liked more Jabal than other		d spike/grain size and	
Question 5	the varie	es the new variety comp ety you normally grow? ف الجديد بالصنف الذي تزرعه عاد		Karim, but i	Jabal is more yielding n term of straw quanti nilar or Karim is a little	ty I see that



Question 6	What characteristics did you like in it? هي الخصائص التي إستحسنتها فيه ؟	I selected Jabal as the best variety because of its spike size/color. Furthermore, I didn't notice any disease affecting Jabal. It had also a short cycle (early flowering and maturity) and the color and size of Jabal seeds were really admirable.			
Question 7	What is missing in this variety? ما هو الشيء الذي يفتقده النوع المختار ؟	Diseases resistance مقاومة الأمراض الطفيلية ؟ Good Medium Bad سيء متوسط جيد • Disease 1: Rust ﷺ			
		Drought tolerance: مقاومة الجفاف			
		. Good Medium Bad سيء متوسط جيد □ □			
		Heat tolerance: مقاومة الجهد الحراري Good Medium Bad سيء متوسط جيد الله المحدد الحراري المحدد الحراري المحدد الحراري المحدد			
		Good Medium Bad س <i>يء</i> متوسط جيد			
		• Grain size			
		Grain color			
		Cooking quality □ □ □			
		• Straw amount 🗆 🗱 🗆			
		• Spike color 🕍 🗆 🖂			
		Other: The straw amount was not high compared to Karim. I think that Jabal needs to be a little bit taller to get high quantity of straws.			



Question 8	What your wife thinks of that variety and why she likes or dislike it? ما رأي زوجتك في هذا النوع ولماذا تستحسنه أو لا تفضله ؟	My wife liked the color of Jabal's flour and the sweet taste of the bread.
	At some later stage, we would like to hold discussions over the phone and face-to-face with your wife about her preferences with regards to these varieties (in particular culinary aspects as well as inthe-field traits). My female colleague will be in charge of these discussion. We want to know whether this is fine with you. في مرحلة لاحقة ، نود إجراء مناقشات عبر الهاتف ووجها لوجه مع زوجتك حول تفضيلاتها فيما يتعلق بهذه الأصناف (لا لوجه مع زوجتك حول تفضيلاتها فيما يتعلق بهذه الأصناف (لا سيما جوانب الطهي وكذلك السمات الموجودة في الحقل).	Yes, it is possible.
Question 9	Will you grow it again next year or the year after, even without the project support? If yes, please explain. If not, please explain why. هل سوف تزرعه في العام المقبل مرة أخرى أو في العام الذي يليه، حتى بدون دعم من المشروع ؟ إذا كانت الإجابة بنعم، رجاء التوضيح. إذا لم يكن كذلك، يرجى توضيح السبب.	Yes, I will plant Jabal in the next seasons without the project support as I need to evaluate again its productivity and the straw amount which were limited due to the low precipitation of the last season.
Question 10	How do you normally get your seeds? كيف تحصل عادة على البذور ؟	Generally, I got the seeds from SONACOS at Rommani.



Question 11	What do you do with the harvest? If you sell it, at what price and where? If you eat it, in which form (bread, couscous, other)? ما الذي تفعله بمحصولك الزراعي ؟ في حالة بيعه رجاء حدد ثمن ومكان البيع؟ وما هي الوصفات التي تحضرها إنطلاقا منه (خبز كسكس ,,,,,) ؟	I sell about 60% of my harvest in Marchouch and Rommani Markets. Sometimes I sell it directly to the farmers living nearby, already loved the variety during its cultivation. The price is always changing related particularly to the supply and demand. Generally, it goes from 250 to 350 MAD for the quintal. I store about 700 to 800 straws. The remaining 40% is exploited in household living. We prepare different recipes: bread, couscous, Msaman, cakes
Question 12	Did other farmers visit your field and what was their opinion? What were the opinions of men? And, of women? هل زار الفلاحة المجاورون حقل التجربة وما كانت وجهة نظر كل من الرجال والنساء على حدة؟	Yes, the experiment was visited by farmers living nearby, only men. They showed their interest to the size and the color of the spikes and the grains. After the harvest, I have given them some seeds from Jabal, Zagharin2 and Nachit.



استمارة مشروع DIIVA-PR project questionnaire, Morocco بالمغرب DIIVA-PR

Farmer Name	Farmer 10	إسم الفلاح
Gender	-	الجنس
Age	-	السن
Rural commun	-	القروية الجماعة
District	-	الإقليم



Crops nor grown: التي تزرع عادة - Onion - Potatoes - Triticale - Barley - Bread wh - Durum w - Lentil	الأصناف ا	Number of ha: عدد الهكتارات Education level: المستوى الدراسي	Principal F animals: قي	arm أهم الحيوان المري	Number of people liv ثنون من الفلاحة Women number Men number	ing from farm عدد الأفراد الذين يعين عدد الإناث عدد الذكور
- Chickpea Question 1	What is to wariety to what are	the name of the durum hat you sowed last seas you growing this seas ح الصلب الذي زرعته الموسم المن راع التي تزرعها هذا الموسم؟	son and on? ما هو صنف القم		ng only the variety Kar . it is planted as well th	
Question 2	Do you normally grow one variety? Or more? Please explain. هل تزرع صنف واحد أو اكثر؟ يرجى التوضيح.		I grow one variety (Karim) because it is the most abundant in the region. Actually, I did not try to plant further varieties.			
Question 3	Wi	no decides which variet صنف الذي سيتم زرعه؟		I always cho qualified fai	ose the variety with the rmers.	e help of
Question 4	trial? Ple	is your preferred variety ease explain المفضل لديك في التجربة ؟ رجاءً			Nachit because it had varieties.	



Question 5	How does the new variety compare with the variety you normally grow? كيف يقارن الصنف الجديد بالصنف الذي تزرعه عادة ؟	The new variety looks much better than Karim.
Question 6	What characteristics did you like in it? ما هي الخصائص التي إستحسنتها فيه ؟	The new variety Nachit was flowered early (short cycle), yielding was good, resistant to heat and drought stresses.
Question	What is missing in this variety?	Diseases resistance
7	ما هو الشيء الذي يفتقده النوع المختار ؟	مقاومة الأمراض الطفيلية ؟ Good Medium Bad
		سيء متوسط جيد
		• Disease 1: Rust 🙀 🗆 🗆
		Drought tolerance: مقاومة الجفاف
		Good Medium Bad
		سيء متوسط جيد
		Heat tolerance:
		مقاومة الجهد الحراري Good Medium Bad
		Good Medium Bad سيء متوسط جيد □ □
		Good Medium Bad سيء متوسط جيد
		• Grain size
		Grain color Grain color
		Cooking quality □ □ □
		• Straw amount 🗆 💢 🗆
		Spike color
		Other: I think what is missing Nachit is the height and the straw amount. I hope if it can be taller and gives more straws amount.



Question 8	What your wife thinks of that variety and why she likes or dislike it? ما رأي زوجتك في هذا النوع ولماذا تستحسنه أو لا تفضله ؟	Unfortunately, I did not harvested the trial as it was lost by a heavy rain. I will try it after the next harvest.
	At some later stage, we would like to hold discussions over the phone and face-to-face with your wife about her preferences with regards to these varieties (in particular culinary aspects as well as inthe-field traits). My female colleague will be in charge of these discussion. We want to know whether this is fine with you. be in charge of these discussion. We want to know whether this is fine with you. is a not in the point of t	Yes, it is possible.
Question 9	Will you grow it again next year or the year after, even without the project support? If yes, please explain. If not, please explain why. هل سوف تزرعه في العام المقبل مرة أخرى أو في العام الذي يليه، حتى بدون دعم من المشروع ؟ إذا كانت الإجابة بنعم، رجاء التوضيح. إذا لم يكن كذلك، يرجى توضيح السبب.	Of course, I will plant it in the next years without the project support because I found that Nachit persist better ever under harsh conditions of drought and heat.
Question 10	How do you normally get your seeds? کیف تحصل عادة علی البذور ؟	I got the seeds from SONACOS center at Sefrou and from farmers who planted the variety only for one year.



Question 11	What do you do with the harvest? If you sell it, at what price and where? If you eat it, in which form (bread, couscous, other)? ما الذي تفعله بمحصولك الزراعي ؟ قي حالة بيعه رجاء حدد مكان البيع؟ وما هي الوصفات التي تحضرها إنطلاقا منه (خبز كسكس ,,,,,) ؟	Generally, I use the harvest in my household living and I store the seeds to replanted in the next season. I sell nothing because the yield remains very limited due to the sever conditions, especially drought. We prepare several recipes: bread, couscous, Mesaman, Harsha etc.
Question 12	Did other farmers visit your field and what was their opinion? What were the opinions of men? And, of women? هل زار الفلاحة المجاورون حقل التجربة وما كانت وجهة نظر كل من الرجال والنساء على حدة؟	Yes, the last experiment was visited by few farmers, only men, who preferred as well Nachit.



Barley DIIVA-PR trial survey

استمارة مشروع DIIVA-PR project questionnaire, Morocco بالمغرب DIIVA-PR

Farmer Name	Farmer 10	إسم الفلاح
Gender	-	الجنس
Age	-	السين
Rural commun	-	القروية الجماعة
District	-	الإقليم



Crops normally grown: الأصناف التي تزرع عادة - Onion		Number of ha: عدد الهكتارات	Principal F animals: ية	arm أهم الحيوان المرب		عدد الأفراد الذين يعيش
 Potatoes Triticale Barley Bread wheat Durum wheat Lentil Chickpea 		Education level: المستوى الدراسي			Women number Men number	عدد الإناث عدد الذكور
Question 1	variety t what are	the name of the durum hat you sowed last seas you growing this seas ح الصلب الذي زرعته الموسم المذ راع التي تزرعها هذا الموسم؟	ason and I was planti ison? the many so ما هو صنف القمح		I was planting only the variety called beldi for the many seasons.	
Question 2		normally grow one varie Please explain. واحد أو اكثر؟ يرجى التوضيح.		I grow only	one variety.	
Question 3	WI	no decides which variet صنف الذي سيتم زرعه؟		I always cho qualified fai	ose the variety with th rmers.	e help of
Question 4	trial? Ple	is your preferred variety ease explain المفضل لديك في التجربة ؟ رجاءً	•		the variety number 2 b cycle compared to oth	



Question 5	How does the new variety compare with the variety you normally grow? كيف يقارن الصنف الجديد بالصنف الذي تزرعه عادة ؟	The new variety looks much better than what I am growing normally in term of yield and disease resistance.
Question 6	What characteristics did you like in it? ما هي الخصائص التي إستحسنتها فيه ؟	The new variety had a short cycle and was a early one compared to other entries. I had also a high height and high quantities of straw. It seems resistant to drought and diseases.
Question 7	What is missing in this variety? ما هو الشيء الذي يفتقده النوع المختار ؟	Diseases resistance مقاومة الأمراض الطفيلية ؟
		Good Medium Bad
		سيء متوسط جيد □ □ □ 🙀 □
		Drought tolerance:
		مقاومة الجفاف Good Medium Bad
		سيء متوسط جيد
		Heat tolerance:
		مقاومة الجهد الحراري Good Medium Bad
		سيء متوسط جيد ا
		Good Medium Bad سیء متوسط جید
		سيء متوسط جيد □ 🙀 □
		• Grain color 🙀 🗆
		Cooking quality □ □ □ □
		Straw amount 💢 🗆 🗆
		• Spike color 🎎 🗆 🖂
		Other: The grain size was bit large contrary to region's farmers preference where the small size is the more demanded.



Question 8	What your wife thinks of that variety and why she likes or dislike it? ما رأي زوجتك في هذا النوع ولماذا تستحسنه أو لا تفضله ؟	Unfortunately, I did not harvested the trial as it was lost by a heavy rain. I will try it after the next harvest.
	At some later stage, we would like to hold discussions over the phone and face-to-face with your wife about her preferences with regards to these varieties (in particular culinary aspects as well as inthe-field traits). My female colleague will be in charge of these discussion. We want to know whether this is fine with you. في مرحلة لاحقة ، نود إجراء مناقشات عبر الهاتف ووجها لوجه مع زوجتك حول تفضيلاتها فيما يتعلق بهذه الأصناف (لا سيما جوانب الطهي وكذلك السمات الموجودة في الحقل). ستكون زميلتي مسؤولة عن هذه المناقشة. نريد أن نعرف ما إذا كان هذا جيدًا معك	Yes, it is possible.
Question 9	Will you grow it again next year or the year after, even without the project support? If yes, please explain. If not, please explain why. هل سوف تزرعه في العام المقبل مرة أخرى أو في العام الذي يليه، حتى بدون دعم من المشروع ؟ إذا كانت الإجابة بنعم، رجاء التوضيح. إذا لم يكن كذلك، يرجى توضيح السبب.	Yes, I will plant it in the next years without the project support as it showed a high adaptation in this harsh region which suffers greatly from lack of precipitations.
Question 10	How do you normally get your seeds? كيف تحصل عادة على البذور ؟	I got the seeds from SONACOS center at Sefrou and from farmers who planted the variety only for one year.



Question 11	What do you do with the harvest? If you sell it, at what price and where? If you eat it, in which form (bread, couscous, other)? ما الذي تفعله بمحصولك الزراعي ؟ في حالة بيعه رجاء حدد ثمن ومكان البيع؟ وما هي الوصفات التي تحضرها إنطلاقا منه (خبز كسكس ,,,,,) ؟	Generally, I use the harvest in my household living and I store the seeds to replanted in the next season. I sell nothing because the yield remains very limited due to the sever conditions, especially drought. We prepare several recipes such as bread, balbola soupe, techicha and couscous
Question 12	Did other farmers visit your field and what was their opinion? What were the opinions of men? And, of women? هل زار الفلاحة المجاورون حقل التجربة وما كانت وجهة نظر كل من الرجال والنساء على حدة؟	Yes, the last experiment was visited by few farmers, only men, who preferred more two entries, barley number 2 and number 3.



DIIVA-PR project questionnaire, Morocco

إستمارة مشروع DIIVA-PR بالمغرب

Farmer Name	Farmer 4	إسم الفلاح
Gender	-	الجنس
Age	-	السن
Rural commun	-	القروية الجماعة
District	-	الإقليم



Crops normally grown: الأصناف التي تزرع عادة - Onion - Potatoes - Barley - Bread wheat - Durum wheat		Number of ha: عدد الهكتارات Education level: المستوى الدراسي	Principal F animals: ئية	arm أهم الحيوان المرب	Number of people livin پشون من الفلاحة Women number Men number	ng from farm عدد الأفراد الذين يع عدد الإناث عدد الذكور
Question 1	variety t what are	the name of the durum ب hat you sowed last seas you growing this seas ح الصلب الذي زرعته الموسم المن واع التي تزرعها هذا الموسم؟	son and on? ما هو صنف القم	local variety	or the last seasons, I was always planting our cal variety called Beldi. this season, I am growing Amalou.	
Question 2	_	normally grow one varie lease explain. واحد أو اكثر؟ يرجى التوضيح.	Generally, I was growing one variety for		t multiple hrough	
Question 3	Wi	no decides which variet لصنف الذي سيتم زرعه؟	, .	I chose the friends.	variety with the help of	some
Question 4	trial? Ple	s your preferred variety ease explain المفضل لديك في التجربة ؟ رجاءً			parley number 4 becaus t and the spikes was ful	



Question 5	How does the new variety compare with the variety you normally grow? كيف يقارن الصنف الجديد بالصنف الذي تزرعه عادة ؟	The new variety had a good plant size and seems more resistant to drought, but its productivity was bit less compared to Amalou, a sixe rows variety.
Question 6	What characteristics did you like in it? ما هي الخصائص التي إستحسنتها فيه ؟	I liked especially the plant height which can give high amount of straws and also the filled spikes.
Question 7	What is missing in this variety? ما هو الشيء الذي يفتقده النوع المختار ؟	Diseases resistance مقاومة الأمراض الطفيلية ؟ Good Medium Bad سيء متوسط جيد
		• Disease 1:
		Drought tolerance: مقاومة الجفاف
		Good Medium Bad سيء متوسط جيد □ □
		Heat tolerance:
		مقاومة الجهد الحراري Good Medium Bad سيء متوسط جبد □ □ □
		Good Medium Bad
		سيء متوسط جيد • Grain size
		Grain color Grain color
		Cooking quality □ □ □ □
		• Straw amount 🛎 🗆 🗆
		Spike color
		Other: I think what is missing more is the high productivity.



Question 8	What your wife thinks of that variety and why she likes or dislike it? ما رأي زوجتك في هذا النوع ولماذا تستحسنه أو لا تفضله ؟	Unfortunately, she did not tested it yet.
	At some later stage, we would like to hold discussions over the phone and face-to-face with your wife about her preferences with regards to these varieties (in particular culinary aspects as well as inthe-field traits). My female colleague will be in charge of these discussion. We want to know whether this is fine with you. في مرحلة لاحقة ، نود إجراء مناقشات عبر الهاتف ووجها في مرحلة لاحقة ، نود إجراء مناقشات عبر الهاتف (لا لوجه مع زوجتك حول تفضيلاتها فيما يتعلق بهذه الأصناف (لا سيما جوانب الطهي وكذلك السمات الموجودة في الحقل).	Yes, it is possible.
Question 9	Will you grow it again next year or the year after, even without the project support? If yes, please explain. If not, please explain why. هل سوف تزرعه في العام المقبل مرة أخرى أو في العام الذي يليه، حتى بدون دعم من المشروع ؟ إذا كانت الإجابة بنعم، رجاء التوضيح. إذا لم يكن كذلك، يرجى توضيح السبب.	I will plant it in the next years without the project support as I would like to follow its productivity.
Question 10	How do you normally get your seeds? كيف تحصل عادة على البذور ؟	Actually, I got barley seeds either from the market (Souk) at Tamahdit or the farmers living nearby.



Question 11	What do you do with the harvest? If you sell it, at what price and where? If you eat it, in which form (bread, couscous, other)? ما الذي تفعله بمحصولك الزراعي ؟ قي حالة بيعه رجاء حدد مكان البيع؟ وما هي الوصفات التي تحضرها إنطلاقا منه (خبز كسكس ,,,,,) ؟	In general, I sell nothing as the harvest remains very limited. I use it only for my household living and to feed my animals. Barley is a noble crop in this region, we prepare different recipes such as bread, balboula soupe, harsha and coscous
Question 12	Did other farmers visit your field and what was their opinion? What were the opinions of men? And, of women? هل زار الفلاحة المجاورون حقل التجربة وما كانت وجهة نظر كل من الرجال والنساء على حدة؟	Yes, it was visited by few farmers living nearby, only men. They loved the height of the plants and the grain size of some varieties.



استمارة مشروع DIIVA-PR project questionnaire, Morocco بالمغرب DIIVA-PR

Farmer Name	Farmer 2	إسم الفلاح
Gender	•	الجنس
Age	-	السن
Rural commun	-	القروية الجماعة
District	-	الإقليم



Crops normally grown: الأصناف التي تزرع عادة - Sugar beet - Durum wheat - Bread wheat - Barley - Alfafa - Faba bean - Triticale		Number of ha: عدد الهكتارات Education level: المستوى الدراسي	Principal Farm animals: أهم الحيوان المربية		Number of people livir پیشون من الفلاحة Women number Men number	ng from farm عدد الأفراد الذين يع عدد الإناث عدد الذكور
Question 1	variety t what are	the name of the durum what you sowed last seas e you growing this seas ح الصلب الذي زرعته الموسم المذ واع التي تزرعها هذا الموسم؟	season and الله season? Durii ما هو صنف القمح الصا		ara for the last two seasons, is season, I have planted three selected from the last DIIVA trial.	
Question 2		normally grow one varie lease explain. واحد أو اكثر؟ يرجى التوضيح.	-	I always use	e one variety of barley.	
Question 3	Who decides which variety to grow? من الذي يقرر الصنف الذي سيتم زرعه؟				iety to be	
Question 4	trial? Ple	is your preferred variety ease explain المفضل لديك في التجربة ؟ رجاءً			barley number 3 becaurain sizes and its high b	



Question 5	How does the new variety compare with the variety you normally grow? كيف يقارن الصنف الجديد بالصنف الذي تزرعه عادة ؟	The new variety was better than the variety I am planting normally.
Question 6	What characteristics did you like in it? ما هي الخصائص التي إستحسنتها فيه ؟	The new variety had short cycle (early) it had a good size of grain. The spikes were also filled and the straw amount was high.
Question 7	What is missing in this variety? ما هو الشيء الذي يفتقده النوع المختار ؟	Diseases resistance مقاومة الأمراض الطفيلية ؟
		Good Medium Bad سيء متوسط جيد
		• Disease 1:
		Drought tolerance:
		مقاومة الجفاف
		Good Medium Bad س <i>يء</i> متوسط جيد □ □
		Heat tolerance:
		مقاومة الجهد الحراري Good Medium Bad سيء متوسط جيد □ □
		Good Medium Bad سيء متوسط جيد
		• Grain size 😹 🖂
		• Grain color 💢 🖂 🖂
		Cooking quality □ □ □
		• Straw amount 🙀 🗆 🗆
		• Spike color 🗯 🗆 🗆
		Other: It was a wonderful variety. I think nothing is missing



Question 8	What your wife thinks of that variety and why she likes or dislike it? ما رأي زوجتك في هذا النوع ولماذا تستحسنه أو لا تفضله ؟	Unfortunately, my wives didn't test its cooking quality.
	At some later stage, we would like to hold discussions over the phone and face-to-face with your wife about her preferences with regards to these varieties (in particular culinary aspects as well as inthe-field traits). My female colleague will be in charge of these discussion. We want to know whether this is fine with you. في مرحلة لاحقة ، نود إجراء مناقشات عبر الهاتف ووجهاً لوجه مع زوجتك حول تفضيلاتها فيما يتعلق بهذه الأصناف (لا سيما جوانب الطهي وكذلك السمات الموجودة في الحقل). ستكون زميلتي مسؤولة عن هذه المناقشة. نريد أن نعرف ما إذا كان هذا جيدًا معك	Yes, it is possible.
Question 9	Will you grow it again next year or the year after, even without the project support? If yes, please explain. If not, please explain why. هل سوف تزرعه في العام المقبل مرة أخرى أو في العام الذي يليه، حتى بدون دعم من المشروع ؟ إذا كانت الإجابة بنعم، رجاء التوضيح. إذا لم يكن كذلك، يرجى توضيح السبب.	Yes, I will plant it in the next years in order to multiplate the seeds sufficient for a big surface. During this season, I have planted three varieties selected from the last DIIVA trial to get more seeds and follow their stability over the year
Question 10	How do you normally get your seeds? کیف تحصل عادة علی البذور ؟	I got the barley seeds from SONACOS at Fkih Ben Salah or from the farmers living nearby.



Question 11	What do you do with the harvest? If you sell it, at what price and where? If you eat it, in which form (bread, couscous, other)? ما الذي تفعله بمحصولك الزراعي ؟ قي حالة بيعه رجاء حدد ثمن ومكان البيع؟ وما هي الوصفات التي تحضرها إنطلاقا منه (خبز كسكس ,,,,,) ؟	I sell about 70% of my harvest as I don't have domesticated animals in Fkih ben Salah or Bani Mellal markets. Sometimes, I sell it directly to some farmers living nearby. The prices can go from 300 to 350 Dhs. The remaining 30% is exploited in household living preparing bread, coscous, Msaman, cakes
Question 12	Did other farmers visit your field and what was their opinion? What were the opinions of men? And, of women? هل زار الفلاحة المجاورون حقل التجربة وما كانت وجهة نظر كل من الرجال والنساء على حدة؟	Yes, the experiment was visited by other farmers, only men, that they really loved the size and the color of the spikes and the grains of some varieties. At the end of the visit, they request to have quantities of those new lines. I provided some quantities of two or three lines, for some of them after the harvest.