

UPDATE REPORT ON GROWING STATUS OF TREES AFTER ONE MONTH OF PLANTING - GROW FOR IT MODEL IN HOA BINH PROVINCE 2021

I. General information about the Grow for It (GFI) model

1. Selected areas to implement the model : 6 villages in Thach Yen commune, Cao Phong district, Hoa Binh province
2. Total area: 25ha
3. Number of households participating in GFI model: 22
4. Species of planted seedlings: Acacia Mangium; Chukrasia tabularis
5. Planting time: August 2021 (Afforestation season in 2021)
6. Time period to collect information for report writing: September 30 and October 1, 2021.
7. Report completion date: October 4, 2021




II. Results

1. Households participating in the GFI committed to: i) Have available land for planting; ii) Contribute 20% to the total cost of the model implementation; iii) Not harvest before the prescribed time; iv) Plant in long rotation.
2. The area of 25 ha has already been planted.
3. Trees were planted in August, the rainy season came after that, which made them grow fast.
4. All households complied with the commitment of soil preparing, hole digging and tree planting in accordance with technical process.
5. Total number of planted seedlings:




No	Species	Number of seedlings
1	Acacia Mangium	45.000
2	Chukrasia tabularis	5.000
	Total	50.000



6. Growing status of forest of each household

NO	Farmer name	Area (ha)	Planted time	Photos of forest after planting	Date taken	GPS point	Survival rate	Growing status
C1	Bui Van Bien	1,1	August 2021		1/10/2021	<p>GPS</p> <p>Latitude 20; 36; 6.440000000000232...</p> <p>Longitude 105; 21; 23.15000000000023...</p> <p>Altitude 515.40255530129673</p>	At the beginning, 72 out of a total of 2200 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 3-4 young leaves.
C2	Bui Thi Nang	0,7	August 2021		1/10/2021	<p>GPS</p> <p>Latitude 20; 36; 27.0099999999999496</p> <p>Longitude 105; 21; 24.030000000000027...</p> <p>Altitude 514.60135790494667</p>	At the beginning, 31 out of a total of 1400 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.	<p>After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 2-4 young leaves.</p> <p>The family plant maize around to avoid erosion at the beginning time and to generate more income.</p>




C3	Quach Cong Bieu	1,7	August 2021		1/10/2021	<p>GPS</p> <p>Latitude 20; 36; 37.33000000000016...</p> <p>Longitude 105; 21; 25.0399999999979...</p> <p>Altitude 582.17531831537713</p>	At the beginning, 59 out of a total of 3400 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 3-4 young leaves.
C4	Bui Van Thich	1,5	August 2021		1/10/2021	<p>GPS</p> <p>Latitude 20; 36; 20.05999999999978...</p> <p>Longitude 105; 21; 5.86999999999953...</p> <p>Altitude 648.2515527950311</p>	At the beginning, 40 out of a total of 3000 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 3-5 young leaves.
C5	Quach Thi Kiem	0,5	August 2021		1/10/2021	<p>GPS</p> <p>Latitude 20; 36; 36.460000000000064</p> <p>Longitude 105; 21; 12.57000000000006...</p> <p>Altitude 640.03744149765987</p>	At the beginning, 20 out of a total of 1000 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 2-3 young leaves.


C6	Dinh Thanh Hai	1,0	August 2021		1/10/2021	<p>GPS</p> <p>Latitude 20; 36; 44.08000000000186</p> <p>Longitude 105; 22; 7.15000000002334</p> <p>Altitude 427.5957910014514</p>	<p>At the beginning, 12 out of a total of 2000 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.</p>	<p>After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 2-5 young leaves.</p> <p>The family plant maize around to avoid erosion at the beginning time and to generate more income.</p>
C7	Bui Van Canh	1,0	August 2021		30/09/2021	<p>GPS</p> <p>Latitude 20; 37; 25.77999999999988...</p> <p>Longitude 105; 21; 9.03000000000279...</p> <p>Altitude 507.33230958230956</p>	<p>At the beginning, 25 out of a total of 2000 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.</p>	<p>After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 2-3 young leaves.</p>
C8	Bui Van Quan	1,0	August 2021		1/10/2021	<p>GPS</p> <p>Latitude 20; 38; 2.309999999999781...</p> <p>Longitude 105; 20; 28.08000000000162</p> <p>Altitude 327.82015638575155</p>	<p>At the beginning, 50 out of a total of 2000 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate</p>	<p>After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 2-4 young leaves.</p> <p>The family plant cassava</p>

							reaches 100%.	around to avoid erosion at the beginning time and to generate more income.
C9	Dinh Cong Tich	1,5	August 2021		1/10/2021	<p>GPS</p> <p>Latitude 20; 37; 56.9499999999972...</p> <p>Longitude 105; 20; 25.0900000000025...</p> <p>Altitude 370.870082815735</p>	At the beginning, 261 out of a total of 3000 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 3-5 young leaves.
C10	Bui Thi Kien	1,4	August 2021		1/10/2021	<p>GPS</p> <p>Latitude 20; 37; 59.10000000000059...</p> <p>Longitude 105; 21; 21.6400000000013...</p> <p>Altitude 357.26543778801846</p>	At the beginning, 40 out of a total of 2800 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 2-3 young leaves.
C11	Bui Van Chuc	0,8	August 2021		30/09/2021	<p>GPS</p> <p>Latitude 20; 39; 28.30999999999976...</p> <p>Longitude 105; 22; 36.2600000000009...</p> <p>Altitude 458.88070306656692</p>	At the beginning, 33 out of a total of 1600 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 3-4 young leaves.

							reaches 100%.	
C12	Bui Van Hung	1,0	August 2021		30/09 /2021	<p>GPS</p> <p>Latitude 20; 38; 46.10000000000058...</p> <p>Longitude 105; 21; 50.26000000000009...</p> <p>Altitude 363.61513907888735</p>	<p>At the beginning, 30 out of a total of 2000 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.</p>	<p>After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 3-4 young leaves.</p>
C13	Dinh Van Dau	1,1	August 2021		30/09 /2021	<p>GPS</p> <p>Latitude 20; 37; 42.36999999999954</p> <p>Longitude 105; 21; 20.65000000000023...</p> <p>Altitude 393.90026850786347</p>	<p>At the beginning, 35 out of a total of 2200 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.</p>	<p>After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 3-4 young leaves.</p> <p>The family plant cassava around to avoid erosion at the beginning time and to generate more income.</p>

C14	Quach Thi Hang	1,2	August 2021		30/09 /2021	<p>GPS</p> <p>Latitude 20: 37: 22.22999999999957...</p> <p>Longitude 105: 21: 9.05999999999976...</p> <p>Altitude 506.38051948051947</p>	At the beginning, 17 out of a total of 2400 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 3-4 young leaves.
C15	Bui Thi Dieu	0,9	August 2021		30/09 /2021	<p>GPS</p> <p>Latitude 20: 37: 17.72000000000011...</p> <p>Longitude 105: 21: 3.780000000000278...</p> <p>Altitude 501.59371614301193</p>	100%.	<p>After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 3-4 young leaves.</p> <p>The family plant maize around to avoid erosion at the beginning time and to generate more income.</p>
C16	Bui Van Khoi	0,8	August 2021		30/09 /2021	<p>GPS</p> <p>Latitude 20: 37: 11.52000000000042...</p> <p>Longitude 105: 20: 57.58000000000016...</p> <p>Altitude 527.503606557377</p>	At the beginning, 55 out of a total of 1600 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 3-4 young leaves.

							reaches 100%.	
C17	Nguyen Van Quang	1,0	August 2021		30/09 /2021	<p>GPS</p> <p>Latitude 20; 37; 28.38999999999994...</p> <p>Longitude 105; 21; 0.04999999999884...</p> <p>Altitude 519.57868525896413</p>	At the beginning, 30 out of a total of 2000 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 3-5 young leaves.
C18	Bui Thi Hong	1,8	August 2021		30/09 /2021	<p>GPS</p> <p>Latitude 20; 37; 41.16000000000034...</p> <p>Longitude 105; 21; 0.13000000000047...</p> <p>Altitude 453.93615715162679</p>	At the beginning, 41 out of a total of 3600 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 3-5 young leaves.
C19	Dinh Thi Quyen	1,0	August 2021		30/09 /2021	<p>GPS</p> <p>Latitude 20; 37; 39.039999999999935...</p> <p>Longitude 105; 20; 41.9799999999981...</p> <p>Altitude 325.33199679230154</p>	At the beginning, 40 out of a total of 2000 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 2-3 young leaves.

C20	Dinh Thi Loan	1,0	August 2021		30/09 /2021	<p>GPS</p> <p>Latitude 20; 37; 38.0899999999965...</p> <p>Longitude 105; 20; 39.9199999999983...</p> <p>Altitude 296.65743635551587</p>	At the beginning, 50 out of a total of 2000 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 3-5 young leaves.
C21	Bui Thi Ha	1,5	August 2021		30/09 /2021	<p>GPS</p> <p>Latitude 20; 36; 45.47999999999959</p> <p>Longitude 105; 20; 25.3300000000016...</p> <p>Altitude 398.52804182509504</p>	At the beginning, 69 out of a total of 3000 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 2-4 young leaves.
C22	Bui Van Tan	1,5	August 2021		30/09 /2021	<p>GPS</p> <p>Latitude 20; 37; 14.91000000000034...</p> <p>Longitude 105; 20; 57.84999999999768</p> <p>Altitude 520.97067448680355</p>	At the beginning, 56 out of a total of 3000 planted seedlings died. Soon after, household planted new seedlings to replace that number of dead seedlings. At the moment, seedlings are beginning to grow and their survival rate reaches 100%.	After 1 month of planting, the household's seedlings have started to grow. Their young roots have been formed to carry out the metabolism. All seedlings have produced from 2-3 young leaves.

III. General assessment from households and technical consultants of Farmers' Union and Cooperatives

3.1 Feedbacks from households

- Households are glad to get an interest-free loan from the Grow for It fund to plant forests with a long rotation. This not only helps households invest in afforestation in term of capital, but also helps to increase economic and environmental values when planting trees with a long rotation.
- Seedlings provided by the cooperative for Grow for it model implementation are of high quality, sturdy and easily adaptable to the soil and climate conditions in the planting area.
- The technical staff has chosen the right time to plant trees. It rains right after the trees are planted planting households, which is favorable for the plants to take root in green anise; It rained right after the tree was planted, which was favorable for the tree to take root and grow.
- Technical staff of the cooperative and Provincial Farmers' Union carefully monitor and provide technical guidance, from preparing the soil, clearing the vegetation, digging holes, planting trees and regularly visiting each household's forests after planting.

3.2 Assessment from households and technical consultants of Farmers' Union and Cooperatives

- Local authorities and local farmers express their gratitude to Grow for It fund for supporting farmers with long-term interest-free loans to plant forests with the purpose of improving livelihoods and sequestrating CO₂, at the right time when they are facing difficulties in capital for afforestation investment.
- During the forest plantation process, the households all followed the techniques guided by the technical staff.
- Good quality of seedlings, together with the selection of the right planting time (It rains right after the trees are planted) helped the trees have high survival rates and take root quickly. After 1 month, 100% of the trees of the households sprouted and grew young roots to absorb nutrients from the soil.
- Grow for it Model is considered a model of planting forests, so that local authorities and farmers in the area can visit and apply it to their own forests for timber to improve income and the environment against climate change.
- Due to 2021 is the second year implementing Grow for It model in Hoa Binh, the process of preparing documents and supporting technical activities to local farmers are conducted by Hoa Binh Farmers' Union and Xuan Phong Cooperative smoothly, quickly as planned.

V. Technical interventions for forests in the following year.

- Households take measures to protect forest from the destruction of buffaloes, cows and goats fed by local farmers in the project area;
- Technical staff guide in weeding and fertilizing activities.

IV. Proposals

- DFE continue to disburse the second installment of 40% of the total budget of the signed agreement.
- DFE and Grow for It continue to support many other households in term of afforestation capital investment, helping more new forest are planted.

**CONFIRMATION OF HOA BINH
FARMERS' UNION**

**Information collection and report writing unit
XUAN PHONG COOPERATIVE**

**Vice chairman
NGUYEN THI HUONG HAI**

**Director
BUI DUY PHUOC**