



Government of Nepal
Ministry of Agriculture and Livestock Development
Department of Agriculture
National Center for Fruit Development
Warm Temperate Horticulture Center



Date: 2082/05/23

Letter no.: 2082/082

Ref.no.: 61

To,

कृषि विकास कार्यालय, सल्यान

Report on the PCR based diagnosis of Citrus Greening (Huanglongbing)

Date of sample received: 2082-05-13

Sample received from: कृषि विकास कार्यालय, सल्यान

Number of sample received: 50 samples

Number of leaves per sample: 6-8 leaves per sample

Lab code (LC): B-03 to B-52 Original code: Dsa-1 to Dsa-52

Method: The HLB diagnosis was performed by following protocol mentioned in SOP No. HLB-1

Primer information:

Name of the primer	Sequence (5'-3')
Forward (Las606)	GGAGAGGTGAGTGGGAATTCCGA
Reverse (LSS)	ACCCAACATCTAGGTAAAAACC

Findings:

Result category	Sample code submitted to the Lab	Total number
HLB positive sample	Dsa-1 to Dsa-2, Dsa-4 to Dsa-8, Dsa-11 to Dsa-13, Dsa-15 to Dsa-35, Dsa-39, Dsa-41 to Dsa-44	36
HLB Negative samples	Dsa-3, Dsa-9, Dsa-10, Dsa-14, Dsa-36 to Dsa-38, Dsa-40, Dsa-45 to Dsa-50	14

Remarks: Among 50 sample tested for HLB, 36 samples were positive while 14 samples were negative.

Analyzed by

Mrs. Richa Giri
Biotechnologist Officer
WTHC, Kirtipur, Kathmandu

Verified by

Mrs. Srijana Bhandari
Plant Protection Officer
WTHC, Kirtipur, Kathmandu

Approved by

Mr. Dinesh Prasad Sapkota
Senior Hort. Development Officer
WTHC, Kirtipur, Kathmandu

Note:

Per sample testing charge: NPR 2000/-

Total amount to be paid of 50 samples: NPR 1,00,000/-

Payment Detail:

Name of the office: Warm Temperate Horticulture Centre, Kirtipur

Office code: 312013501

Bank Account Number: 1000100200010000 (Rastriya Banijya Bank, Tripureshwor)

Revenue title number: 14211

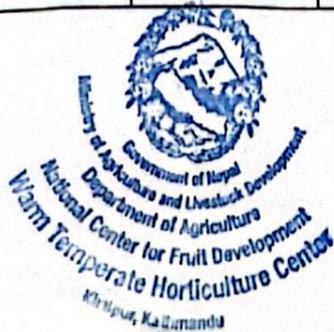
PAN no: 201432778

Phone no.:01-4330404, 4330550 Email: chckirtipur@gmail.com Website: www.wthc.gov.np

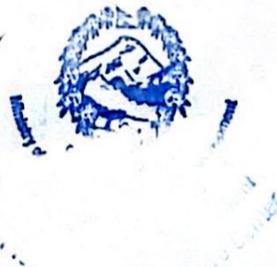


नमुनाको विवरण

s. n.	Lab code	Original code	HLB result	कृषकको नाम	ठेगाना
1.	B-03	Dsa-1	Positive	क्षेत्र बहादुर चन्द	बागचौर-८
2.	B-04	Dsa-2	Positive	विकास चन्द	बागचौर-८
3.	B-05	Dsa-3	Negative	लोक बहादुर डाँगी	बागचौर-९
4.	B-06	Dsa-4	Positive	शोभाराम डाँगी	बागचौर-१०
5.	B-07	Dsa-5	Positive	रुद्र बहादुर वली	बागचौर-७
6.	B-08	Dsa-6	Positive	खेम स्वर्णकार	बागचौर-८
7.	B-09	Dsa-7	Positive	इश्वरी नाथ योगी	बागचौर-८
8.	B-10	Dsa-8	Positive	चक्र बहादुर डाँगी	बागचौर-७
9.	B-11	Dsa-9	Negative	श्री लेकाली कृषि फर्म	बागचौर-९
10.	B-12	Dsa-10	Negative	भिम बहादुर वली	बागचौर-९
11.	B-13	Dsa-11	Positive	नन्दलाल डाँगी	बागचौर-९
12.	B-14	Dsa-12	Positive	रघुबीर गौतम	बागचौर-७
13.	B-15	Dsa-13	Positive	सुरज चन्द	बागचौर-८
14.	B-16	Dsa-14	Negative	जुद बहादुर डाँगी	बागचौर-९
15.	B-17	Dsa-15	Positive	कृष्ण बहादुर डाँगी	बागचौर-९
16.	B-18	Dsa-16	Positive	टिकाराम डाँगी	बागचौर-९
17.	B-19	Dsa-17	Positive	देव बहादुर डाँगी	बागचौर-८
18.	B-20	Dsa-18	Positive	झलक डाँगी	बागचौर-९
19.	B-21	Dsa-19	Positive	लोकेन्द्र डाँगी	बागचौर-७
20.	B-22	Dsa-20	Positive	नेत्रलाल अधिकारी	बागचौर-१०
21.	B-23	Dsa-21	Positive	नैन बहादुर वली	बागचौर-९
22.	B-24	Dsa-22	Positive	जगदीश खड्का	बागचौर-७
23.	B-25	Dsa-23	Positive	कुल बहादुर डाँगी	बागचौर-८
24.	B-26	Dsa-24	Positive	प्रकाश डाँगी	बागचौर-९
25.	B-27	Dsa-25	Positive	लेखराज डाँगी	बागचौर-८
26.	B-28	Dsa-26	Positive	रुद्र बहादुर डी.सी	बागचौर-९
27.	B-29	Dsa-27	Positive	कमल वली	बागचौर-९
28.	B-30	Dsa-28	Positive	नन्दलाल डाँगी	बागचौर-९
29.	B-31	Dsa-29	Positive	एकराज भण्डारी	बागचौर-३
30.	B-32	Dsa-30	Positive	चक्र बहादुर भण्डारी	बागचौर-३
31.	B-33	Dsa-31	Positive	लक्ष्मण वली	बागचौर-७
32.	B-34	Dsa-32	Positive	तारा देव भण्डारी	बागचौर-३
33.	B-35	Dsa-33	Positive	ठुम्लाल खड्का	बागचौर-७
34.	B-36	Dsa-34	Positive	बिनोद शर्मा	बागचौर-३



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35.	B-37	Dsa-35	Positive	खुमराज भण्डारी	बागचौर-3
36.	B-38	Dsa-36	Negative	गोबिन्द बहादुर बि.क	कपुरकोट-4
37.	B-39	Dsa-37	Negative	रति बुडा	कपुरकोट-4
38.	B-40	Dsa-38	Negative	क्षेत्र बहादुर बि.क	कपुरकोट-4
39.	B-41	Dsa-39	Positive	युवराज रावत	कपुरकोट-4
40.	B-42	Dsa-40	Negative	खुम्लाल खड्का	कपुरकोट-4
41.	B-43	Dsa-41	Positive	मोती के.सी	छत्रेश्वरी-4
42.	B-44	Dsa-42	Positive	लोकमान बुडा	छत्रेश्वरी-4
43.	B-45	Dsa-43	Positive	राधिका पुन	छत्रेश्वरी-4
44.	B-46	Dsa-44	Positive	देविका के.सी	छत्रेश्वरी-4
45.	B-47	Dsa-45	Negative	हिमा बुडा	छत्रेश्वरी-4
46.	B-48	Dsa-46	Negative	धनि चन्द	छत्रेश्वरी-4
47.	B-49	Dsa-47	Negative	दुर्गा डाँगी	छत्रेश्वरी-4
48.	B-50	Dsa-48	Negative	रुपा कुवर	छत्रेश्वरी-4
49.	B-51	Dsa-49	Negative	देविकला कुवर	छत्रेश्वरी-4
50.	B-52	Dsa-50	Negative	सुशिला थापा	छत्रेश्वरी-4



Signature